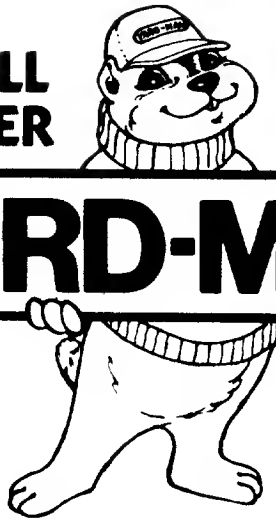
$1.00

YOU'LL GO-FER



YARD-MAN™

Thank you for purchasing an American-built product.

Owner's Manual

ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST

Important:

Read Safety Rules and Instructions Carefully

12 H.P. 38" LAWN TRACTOR

Model Number 13655-7

PRINTED IN U.S.A.

FORM NO. 770-6153B

INDEX

Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at YARD-MAN COMPANY are taking a quick moment out to say. . .

"Thank you for your business."

Sincerely,
YARD-MAN COMPANY

INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

LIMITED WARRANTY

For two years from the date of original retail purchase, YARD-MAN COMPANY will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by YARD-MAN COMPANY.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, Peerless components, the motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

Warranty on units used commercially is limited to sixty (60) days.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of YARD-MAN.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by YARD-MAN.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

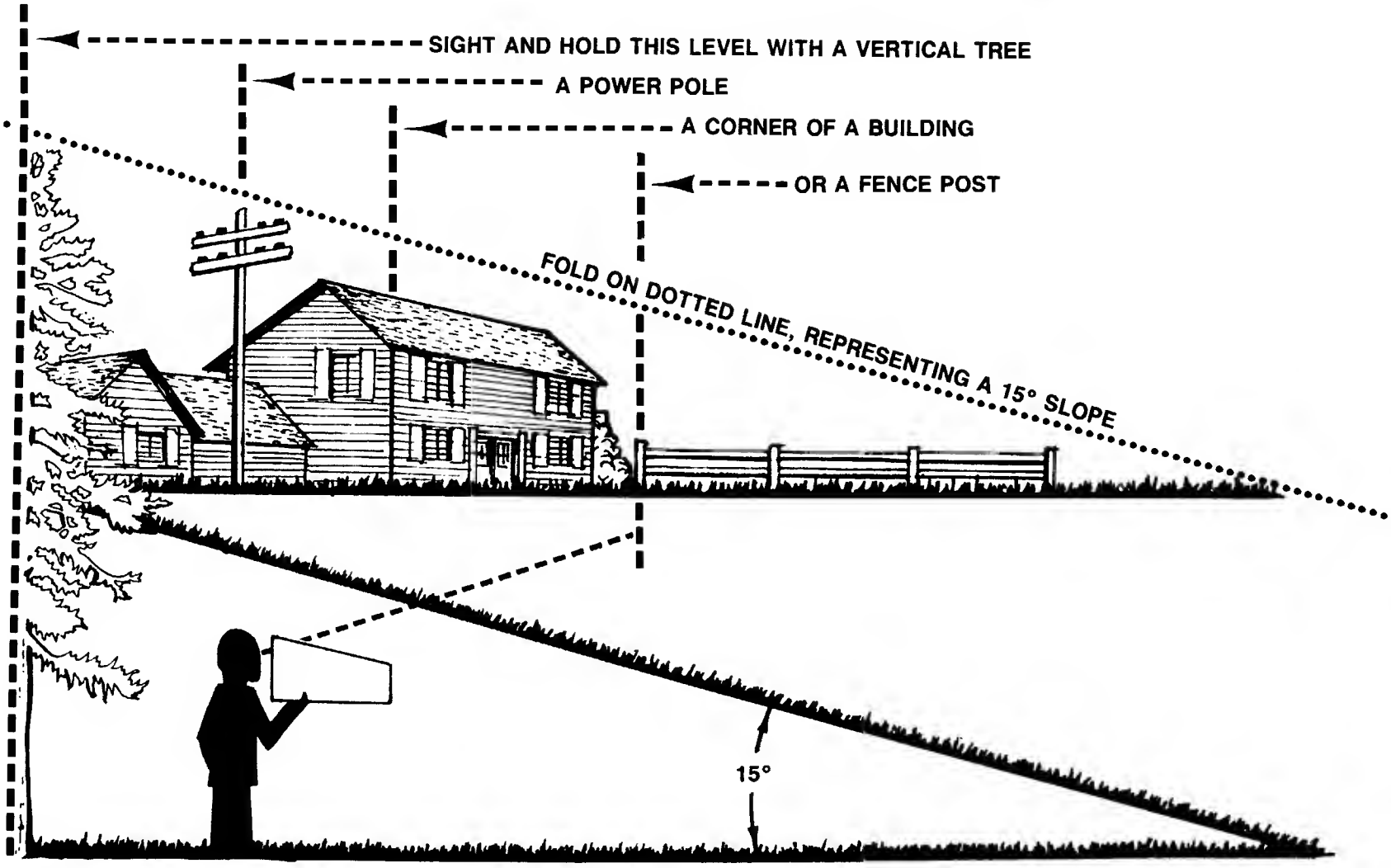
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available at your nearest engine authorized service center.

Cut Along This Line

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



WARNING

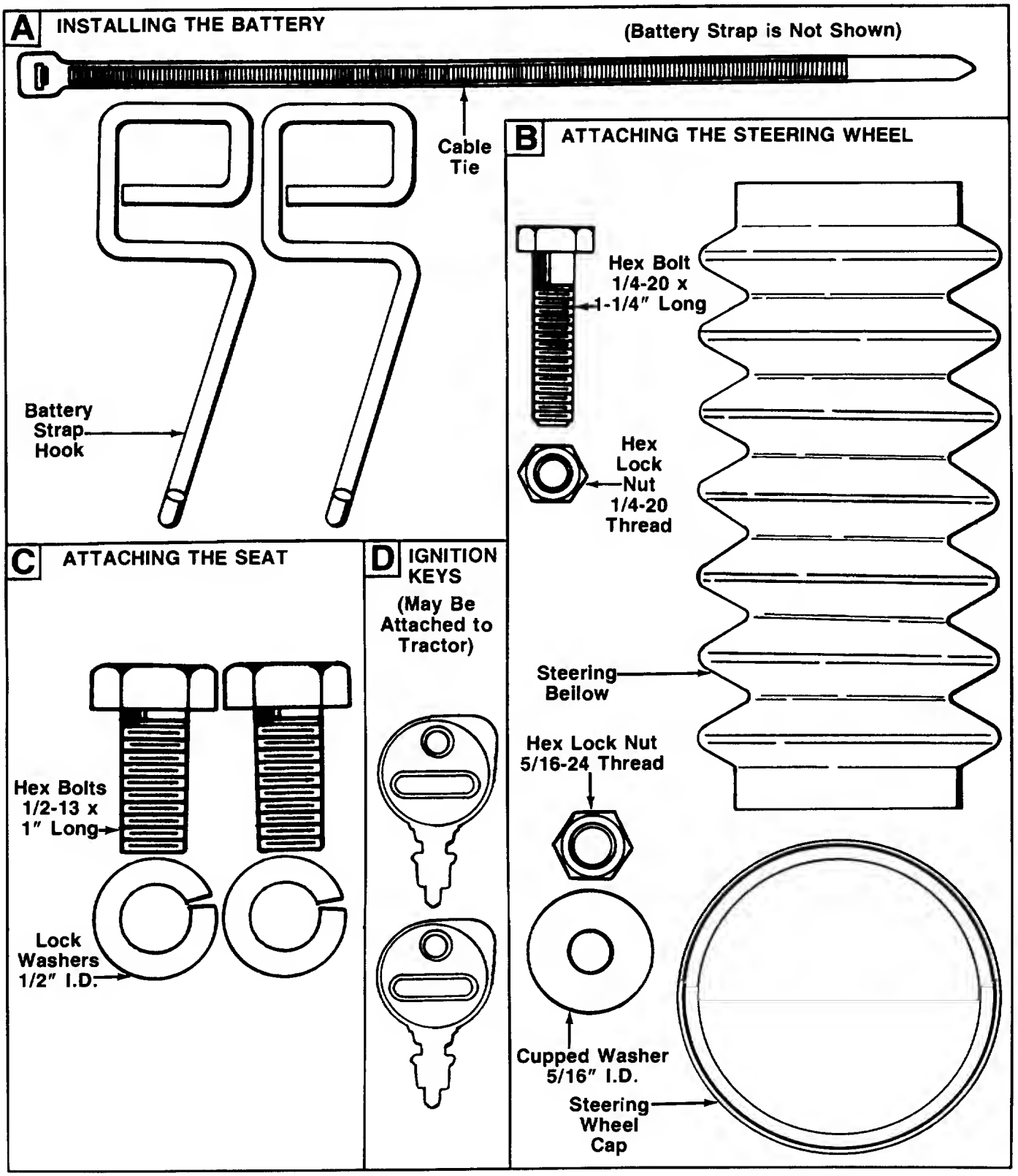
Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

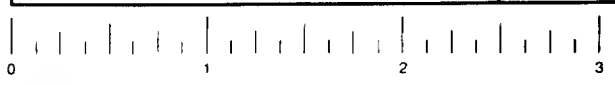
Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK

Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. Refer to the separate deck manual for any assembly instructions concerning the deck. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)





IMPORTANT

RULES FOR SAFE OPERATION

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— ⚠ **HEED ITS WARNING.**

DANGER

Your unit was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

1. READ THIS OWNER'S MANUAL carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop the machine quickly.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
6. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
7. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
8. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
9. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction and cause injury to you or a bystander.
10. Stop the blade(s) when crossing gravel drives, walks or roads.
11. Disengage all attachment clutches and shift into neutral before attempting to start engine.
12. Disengage power to attachment(s) and stop engine before leaving operating position.
13. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
14. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
15. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
16. Disengage power to attachment(s) when transporting or not in use.
17. Take all possible precautions when leaving vehicle unattended such as disengaging power take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
18. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.
19. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
20. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
21. Stay alert for holes in terrain and other hidden hazards which may cause the unit to tip over.
22. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
23. Watch out for traffic when crossing or near roadways.
24. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
25. Handle gasoline with care. It is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.

Rules for Safe Operation (continued)

26. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
27. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
28. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
29. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
30. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
31. Do not change the engine governor settings or overspeed the engine.
32. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
33. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
34. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
35. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

➡ **IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL; however, a small amount of oil may be present from the factory. Do not overfill. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.**

➡ **NOTE: Reference to right or left hand side of the unit is observed from the driver's seat, facing forward.**

ASSEMBLY

UNPACKING

1. Remove the lawn tractor from the carton as follows. Open the top flaps. Remove all loose parts and carton inserts. Cut the front corners of the carton. Make certain brake is released, and push the unit out of the carton.
2. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

BATTERY INFORMATION

A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*
B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.
C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.
D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.
E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.
F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.
G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**

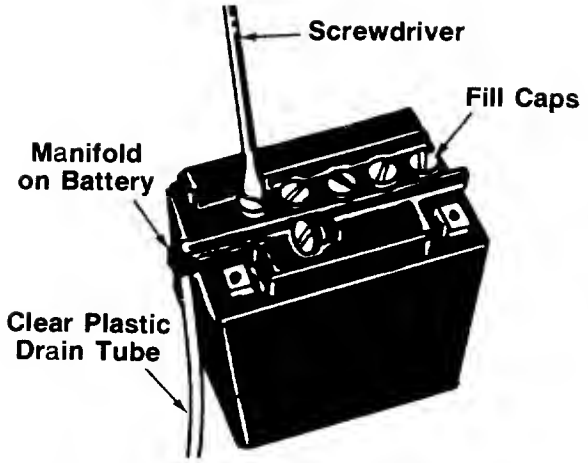


FIGURE 1.

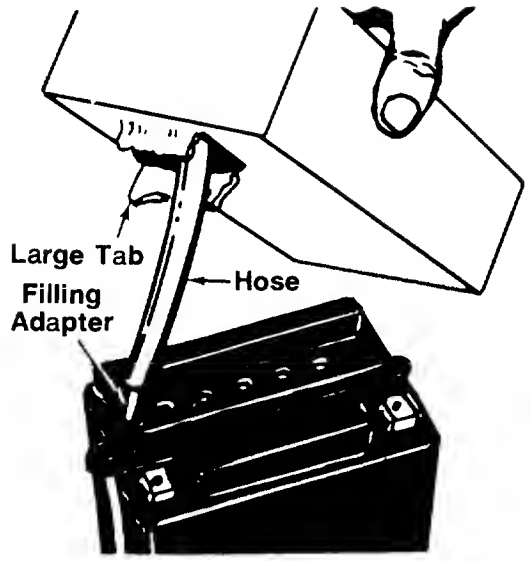


FIGURE 2.

DANGER

Battery contains sulfuric acid. Refer to warning on page 6. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Seek prompt medical attention. EYES: Flush with cool water for at least 15 minutes, then seek immediate medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas.

KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!

ACTIVATING AND INSTALLING THE BATTERY

1. Upon opening the battery pack, you should receive acid pack, battery, drain tube, filling adapter and hardware.

WARNING

BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added).

2. Place the battery on table or workbench to be filled.
3. Place one end of clear plastic drain tube on manifold of battery. See figure 1.

NOTE

Some batteries may already have the drain tube installed, in which case it may be necessary to snip off the sealed end.

4. Remove the six fill caps from the top of the battery with a screwdriver. Care should be taken not to damage the fill caps. See figure 1.
5. Lay acid package down, with "push in" facing up. Using thumb, push in small perforated tab at dot on front of package. Tear down large tab to solid line, exposing hose. **Do not** use any sharp object to open acid package.
6. Pull out hose from package and hold upright. Squeeze hose forcing all acid back into package. Cut off tip of hose and insert filling adapter. See figure 2.
7. Fill each cell to upper level marked on front of battery. Replace fill caps on battery. See figure 2.
8. Allow battery to sit for 20 to 30 minutes. Add additional acid, if necessary, to bring it up to the proper level.
9. The battery can be charged after the 20 minutes sitting period. SLOW CHARGE THE BATTERY (DO NOT FAST CHARGE) at a maximum bench rate of 1.4 amperes until the specific gravity reading is 1.260-1.280. Charge for a minimum of 2 hours and a maximum of 8 hours.

NOTE

Charging rate after battery has been put into operation: The battery is to be charged for a period of 14-16 hours. NO LONGER THAN 30 HOURS. **After battery has been in service, add only distilled water. Do not add acid.**

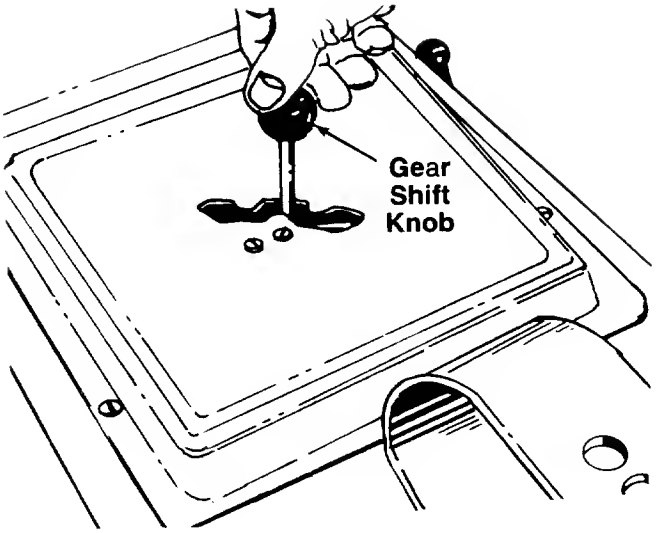


FIGURE 3.

NOTE

This engine is equipped with an alternator. The current for the battery charger alternator is unregulated. During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

INSTALLING THE BATTERY (Hardware A)

1. Place gear shift lever in the "neutral" position. Unscrew the gear shift knob. See figure 3.

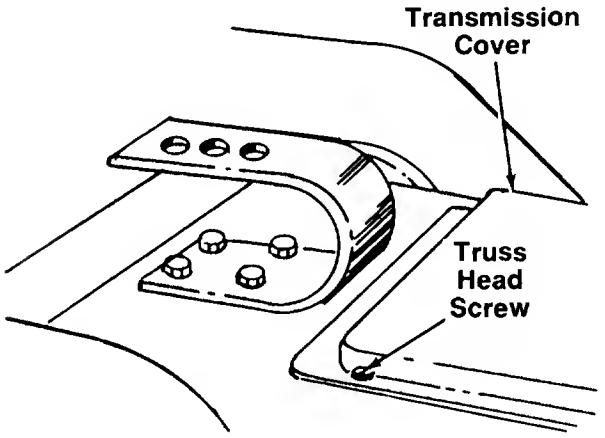


FIGURE 4.

2. Remove the two truss head screws which secure the transmission cover. See figure 4.

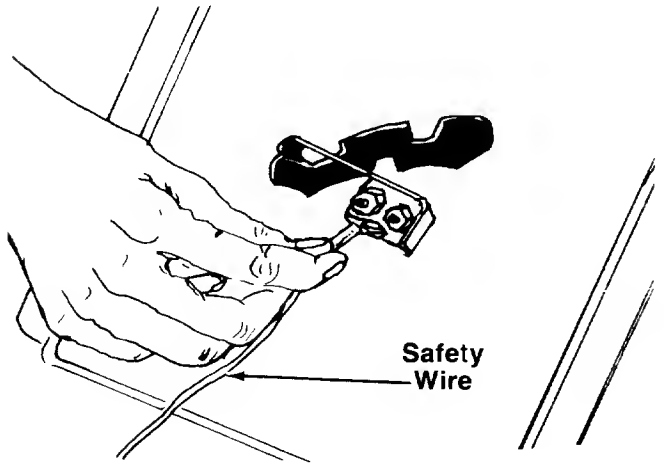


FIGURE 5.

3. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover. See figure 5. Remove transmission cover.

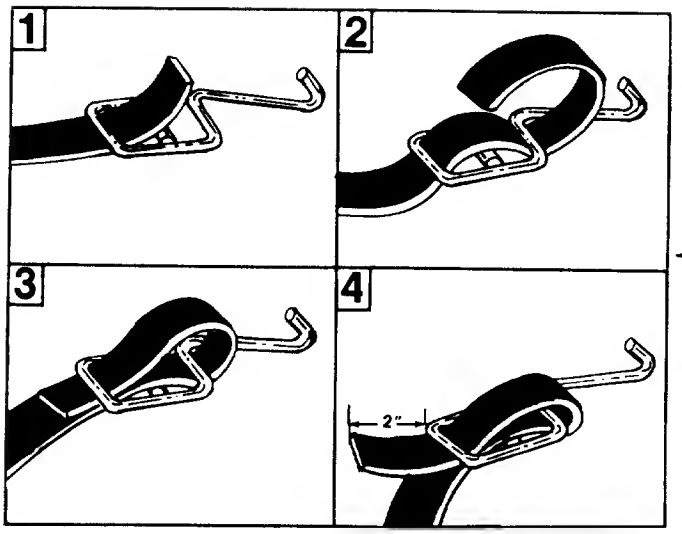


FIGURE 6.

4. Assemble one battery strap hook to each end of the battery strap as shown in figure 6. Adjust the strap so there is about 2" of strap beyond the hooks.

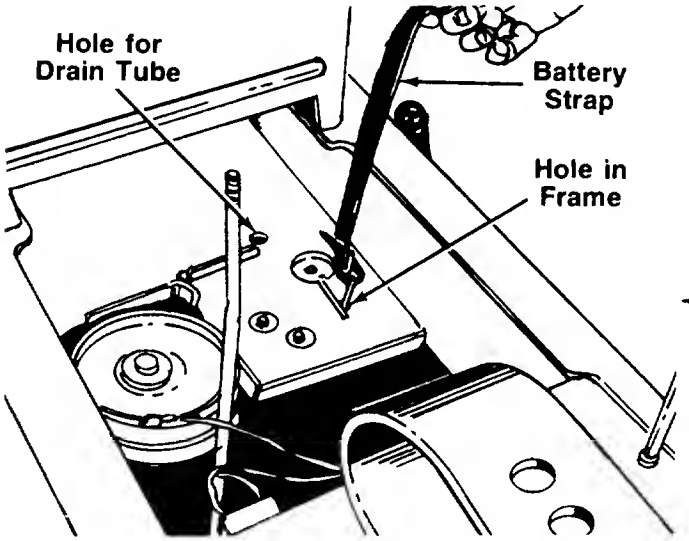


FIGURE 7.

5. Hook one end of the battery strap into the hole provided in the frame. See figure 7. Lay the strap over the side of the frame.

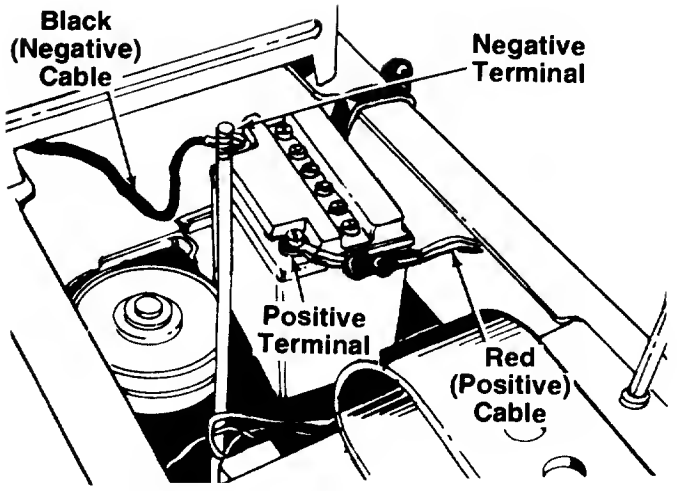


FIGURE 8.

6. Set the battery in the lawn tractor so that the negative terminal is toward the front of the unit. See figure 8. Place the end of the drain tube into the hole in the frame shown in figure 7.
7. Slide the square nut (provided with battery hardware) into the positive (+) terminal. Place the positive (heavy red wire) cable on the positive terminal. Secure with screw provided. See figure 8.
8. Slide the square nut (provided with battery hardware) into the negative (−) terminal. Place the negative (heavy black wire) cable on the negative terminal. Secure with screw provided.

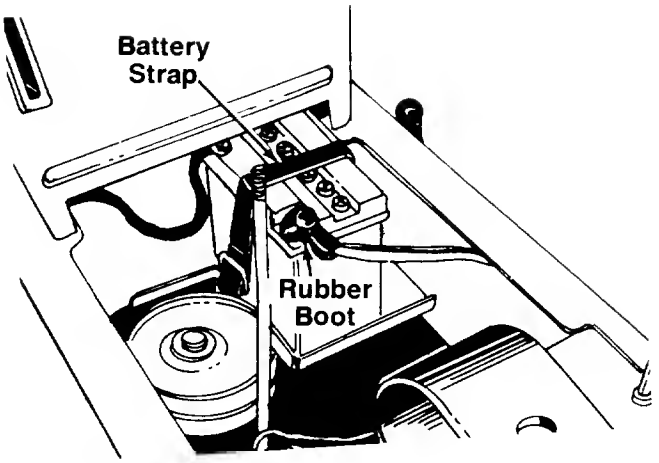


FIGURE 9.

9. Slide the battery forward into position as shown in figure 9. Secure in place with the battery strap, stretching strap over the battery and hooking into hole in the frame.
10. Slide rubber boot over the positive terminal. Bend the positive cable down, out of the way, to allow clearance for the gear shift lever and safety switch (underneath the transmission cover). See figure 9.

WARNING

Make certain the positive cable does not contact the safety switch when the transmission cover is reassembled, to avoid damage to the unit and serious personal injury.

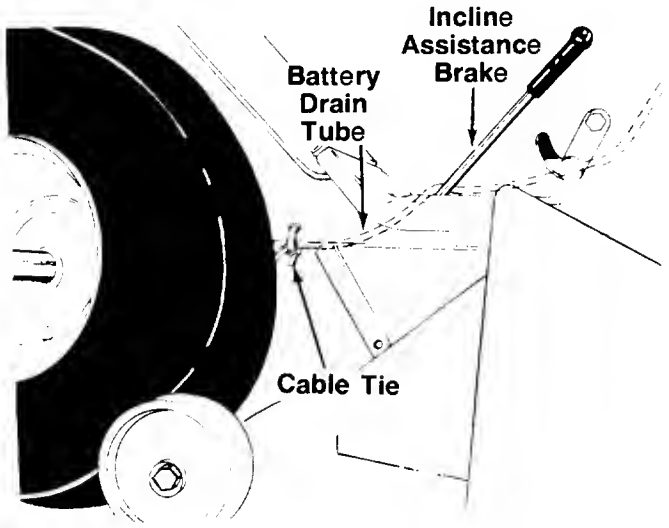


FIGURE 10.

11. Route the battery drain tube toward the back of the unit, over the shaft on the incline assistance brake and inside the deck links. See figure 10.
12. Secure drain tube to hole in the side of frame with cable tie as shown in figure 10. Trim excess end of cable tie. Be certain tube is routed away from wheel rim.
13. Plug the safety wire into the switch beneath the transmission cover. Refer to figure 5. Replace the transmission cover and gear shift knob.

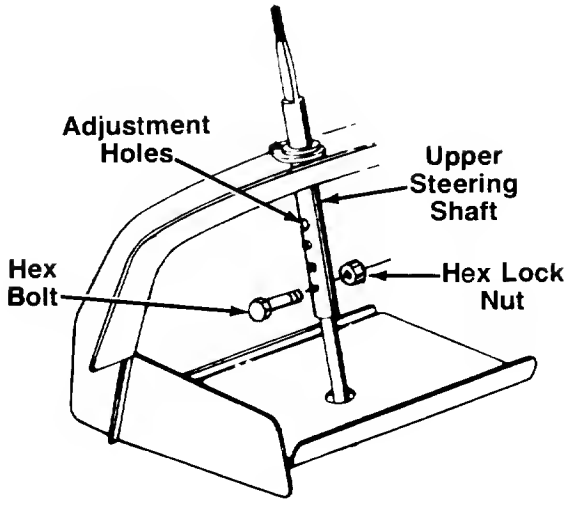


FIGURE 11.

ATTACHING THE STEERING WHEEL (Hardware B)

1. Insert large end of the upper steering shaft through the hole in the dash panel, over the lower steering shaft. See figure 11. The four holes in the upper steering shaft provide four steering wheel heights. Select desired hole, and secure with hex bolt and hex lock nut.

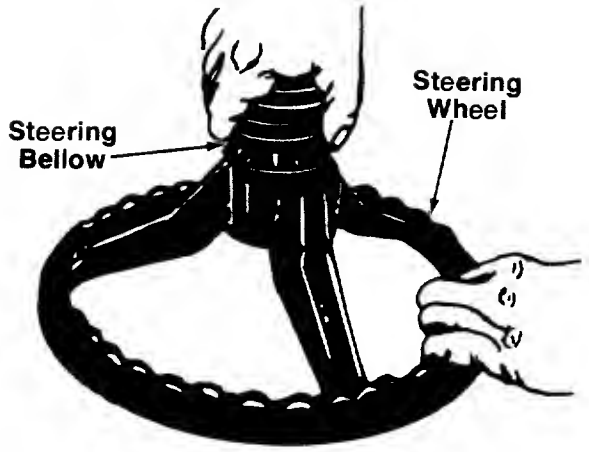


FIGURE 12.

2. Attach one end of steering bellow to the steering wheel as shown in figure 12.

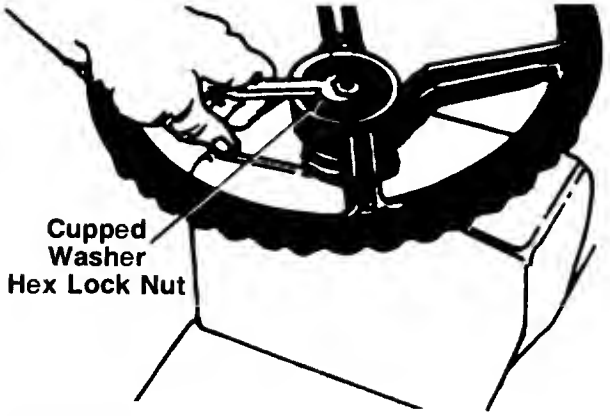


FIGURE 13.

3. Position the front wheels of the tractor so they are pointing straight forward.
4. Place the steering wheel and steering bellow over the steering shaft, positioning steering wheel as desired.
5. Place the washer with the cupped side down over the steering shaft. Secure with 5/16" hex lock nut. See figure 13.
6. Place the steering wheel cap over the center of the steering wheel and seat it with your hand.

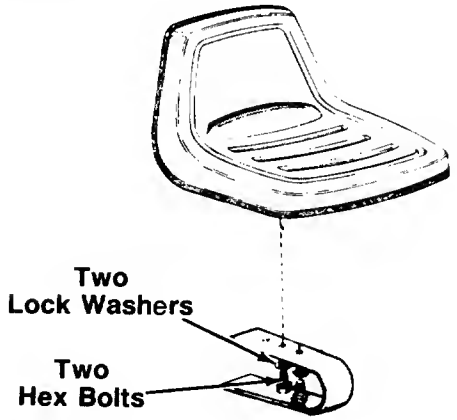


FIGURE 14.

ATTACHING THE SEAT (Hardware C)

1. The seat may be adjusted to two different positions. Select desired position and secure to seat spring with two hex bolts and lock washers. See figure 14.

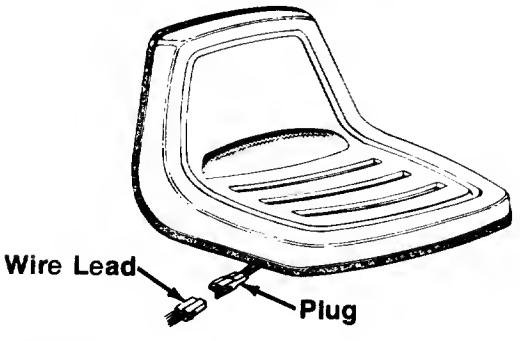


FIGURE 15.

2. Plug the wire lead which is in the wire harness beneath the seat into the plug on the wire lead extending from the right hand side of the seat. See figure 15.

ATTACHING THE CHUTE DEFLECTOR

If the deck has been shipped without the chute deflector assembled, follow the instructions in the separate deck manual packed with your unit for assembly of chute deflector.

CONTROLS

THROTTLE CONTROL

The throttle control is used to regulate the engine speed. To get maximum efficiency from cutting, the throttle should be in the FAST position when operating the mower. See figure 16.

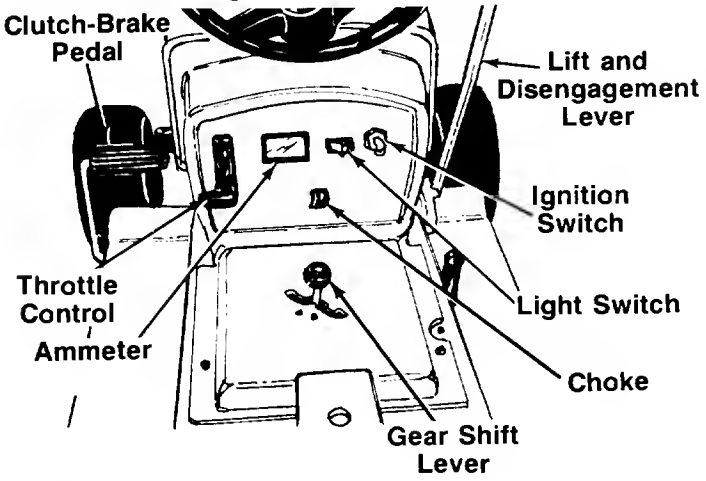


FIGURE 16.

CHOKE CONTROL

The choke control is located on the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 16.

GEAR SHIFT LEVER

The shift lever is located on the left side of the console and has three positions, FORWARD, NEUTRAL and REVERSE. See figure 16. The clutch-brake pedal must be depressed and the lawn tractor must not be moving when shifting gears. Do not force the shift lever. Release the clutch-brake pedal slightly to line up the shifting collar in the transmission. Then try to shift gears.

SPEED CONTROL LEVER

The speed control lever allows you to regulate the ground speed of the lawn tractor. See figure 17. To select the ground speed, depress clutch pedal. Push speed control lever outward and move backward to slow lawn tractor, move forward to increase speed. When desired speed has been obtained, release lever in that position. Whenever clutch is engaged, unit will automatically go to the pre-set speed.

IGNITION SWITCH

Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting. See figure 16.

LIGHT SWITCH

Push the light switch to turn on the lights. The lights will only operate when the engine is running. See figure 16.

AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side when starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 16.

CLUTCH-BRAKE PEDAL

The clutch-brake pedal is located on the left side of the lawn tractor. Depressing the clutch-brake pedal part way disengages the clutch. Pressing the pedal all the way down disengages the clutch and engages the disc brake. See figure 16.

NOTE

The clutch-brake pedal must be depressed to start the engine.

PARKING BRAKE

The speed control lever is used to set the parking brake. To set the parking brake, depress the clutch-brake pedal. Press the speed control lever outward and all the way to the rear of the unit. Release the speed control lever and the clutch-brake pedal.

To release the parking brake, depress the clutch-brake pedal, press the speed control lever outward and move to desired position. Release the speed control lever and the clutch-brake pedal.

INCLINE ASSISTANCE BRAKE

When stopping on a hill, hold the incline assistance brake lever back while you release the clutch-brake pedal until the lawn tractor begins to move, then release the lever. This lever permits smoother starts and clutch engagement by holding the tractor during the brake release/clutch engagement operation. See figure 17.

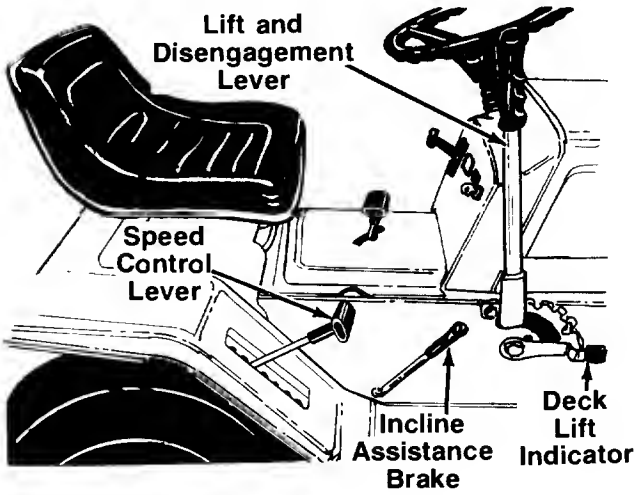


FIGURE 17.

INTERLOCKS (Not Shown)

Interlock safety switches are located on the clutch-brake pedal, the lift and disengagement lever, the gear shift lever and under the seat.

Before the engine will start, the clutch-brake pedal must be depressed all the way and the lift and disengagement lever must be in the disengaged position.

Before the unit can be shifted into reverse or if the operator leaves the seat, the lift and disengagement lever must be in the disengaged position.

CUTTING CONTROLS

A. LIFT AND DISENGAGEMENT LEVER

The lift and disengagement lever is used to raise and lower the cutting deck. Pulling it all the way back and locking it disengages the blades. The lift and disengagement lever **must** be in the disengaged position when starting the engine, when shifting into reverse or if the operator leaves the seat. See figure 17.

B. DECK LIFT INDICATOR

The deck lift indicator marks the position being used for the lift lever. Select the lift lever position desired, press the indicator lever outward, move it to the position immediately below the lift lever and release the indicator lever. See figure 17.

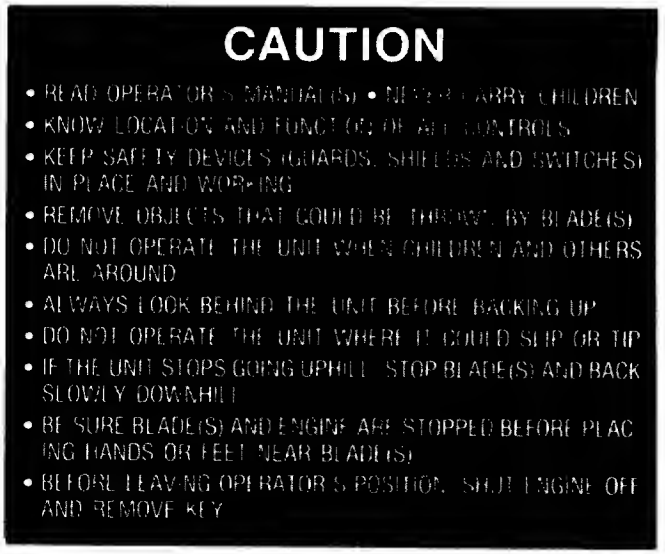
C. DECK WHEEL HEIGHT ADJUSTMENT

Move the deck wheel to the desired hole location in the deck.

D. SETTING THE CUTTING HEIGHT

1. Select the position for the lift lever which gives the desired cutting height. Move the deck lift indicator so that the lift lever can be returned to the same position after it is raised.
2. Set the deck wheels so that the wheels are ¼ to ½ inch above the ground.

OPERATION



TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

STARTING THE ENGINE

NOTE

To open the hood, simply lift up on both sides of the hood.

1. Service the engine with oil and gasoline as described in the engine manual.
2. Depress the clutch-brake pedal and set the parking brake.
3. Place the lift and disengagement lever in the DISENGAGED position. See figure 17.

NOTE

This unit is equipped with a **safety interlock system** for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the lift and disengagement lever is in the disengaged position. In addition, the lift and disengagement lever must be in the disengaged position when the unit is put into reverse or the engine will shut off. If the operator leaves the seat with the lift and disengagement lever engaged, the engine will shut off.

WARNING

Do not operate the lawn tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

4. Set the throttle control in the FAST position. See figure 16.
5. Pull out choke knob to choke engine.

NOTE

A warm engine may not require choking.

6. Turn the ignition key to the START position. When the engine is running, let the key return to the ON position. See figure 16.
7. Push choke knob in gradually. Move the throttle control to desired engine speed.

STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position. Remove the key to prevent accidental starting.

NOTE

A brief break-in period is essential to ensure maximum engine and mower life. The break-in consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 5 hours of operation.

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage lawn tractor or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the unit for any damage, and repair the damage before restarting and operating the mower.

NOTE

If any problems are encountered, refer to the Trouble Shooting Chart on page 22.

OPERATING THE LAWN TRACTOR

1. Set the desired cutting height.
2. Start the engine as instructed in previous column.
3. Move throttle control to ¾ or full throttle to prevent strain on the engine and to operate the cutting blades.
4. Place the shift lever in either the FORWARD or REVERSE position.

CAUTION

Look to the rear before backing up.

5. Release the parking brake by depressing the clutch-brake pedal, pressing outward on the speed control lever and moving to desired position.

NOTE

Use first speed position when operating the lawn tractor for the first time.

6. Release clutch-brake pedal slowly to put unit into motion.
7. The lawn tractor is brought to a stop by depressing the clutch-brake pedal.

CAUTION

If the unit is not to be used for a long period, place the gear shift lever in NEUTRAL, stop the engine, set the parking brake and remove the key. DO NOT leave the machine on an incline.

If unit stalls with speed control in high speed, or if unit will not operate with speed control lever in a low speed position, proceed as follows.

1. Place shift lever in NEUTRAL.
2. Restart engine.
3. Place speed control lever in high speed position.
4. Release clutch-brake pedal fully.
5. Depress clutch-brake pedal.
6. Place speed control lever in desired position.
7. Place shift lever in either FORWARD or REVERSE, and follow normal operating procedures.

OPERATING THE CUTTING BLADES

The cutting blades may be engaged while the lawn tractor is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.

WARNING

When the blade drive is engaged, keep feet and hands away from the discharge opening, the blades or any part of the deck.

Move the lift and disengagement lever into the DISENGAGED position to raise the deck and disengage the blades.

NOTE

When the machine is used for other than mowing operations, the blade drive should be disengaged.

GRASS CATCHER Model 073 is available as optional equipment for the lawn tractor shown in this manual.

WARNING

The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag.

ADJUSTMENTS

SEAT ADJUSTMENT

The seat may be adjusted to one of three positions. Refer to seat installation section of assembly instructions.

STEERING WHEEL ADJUSTMENT

There are four height positions for the steering wheel. To adjust the height of the steering wheel, remove the hex bolt and hex lock nut on the steering shaft. Place the steering wheel in the position desired and secure with hex bolt and hex lock nut. Refer to figure 11.

NOTE

When raising the height of the steering wheel, stretch the steering bellow to cover the steering shaft.

SPEED CONTROL ADJUSTMENT (See figure 18)

First, adjust the speed control lever by pushing the clutch-brake pedal forward until the stop on the speed control rod is against the running board rod. See figure 18. Have another person hold the pedal in this position as you make the following adjustment. Place the speed control lever in parking brake position. Remove the hairpin cotter and flat washer, and adjust the ferrule on the rod so it is against the back end of the slot. See figure 18. Replace the flat washer and hairpin cotter.

Next, adjust the speed control link as follows to obtain the correct neutral adjustment.

1. Start the engine.
2. Place the shift lever in Neutral position.
3. Place the speed control lever in high speed position.
4. Release the clutch-brake pedal completely, then slowly depress the pedal all the way (to park position). Hold the pedal in this position.
5. Turn the engine off.
6. After engine stops completely, release the clutch-brake pedal.
7. Place speed control lever in second position.
8. Remove the cotter pin and flat washer which secures the speed control link to the variable speed torque bracket assembly.
9. Push the clutch-brake pedal backward by hand as far as it will go using light pressure. Hold it in this position as you thread the speed control link in or out of the ferrule until it lines up with the pin on the variable speed torque bracket assembly.
10. Secure speed control link to variable speed torque bracket assembly with flat washer and cotter pin.

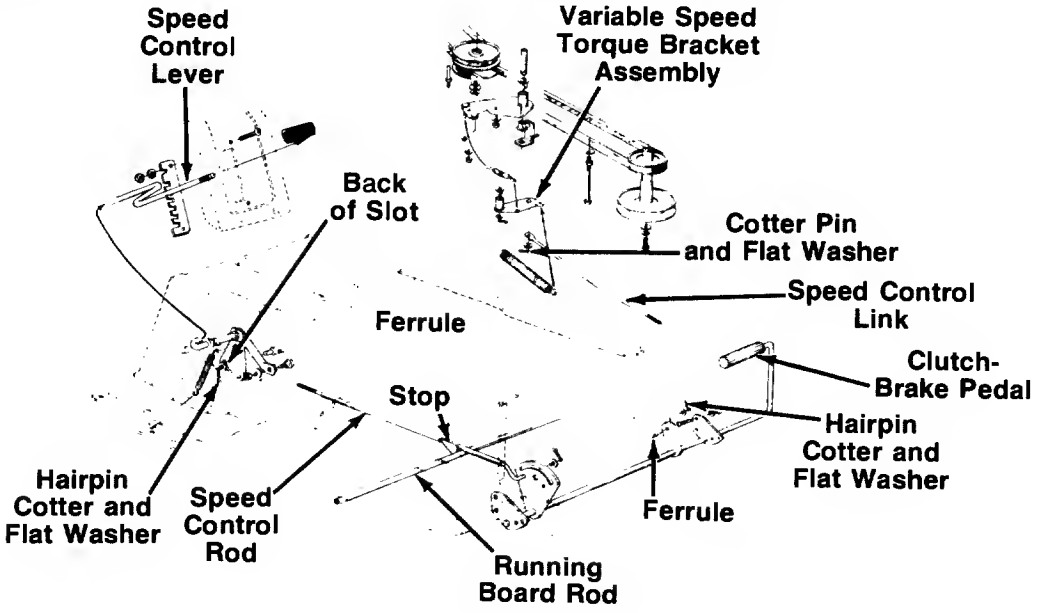


FIGURE 18.

NEUTRAL ADJUSTMENT

1. Place the transmission in neutral. (The unit will move freely when pushed forward and backward with the parking brake released.)
2. Loosen the bolt which secures the shift lever assembly to the shift lever link. See figure 19.
3. Place the shift lever in the netural slot. See figure 19.
4. Tighten the bolt to 13 foot pounds.

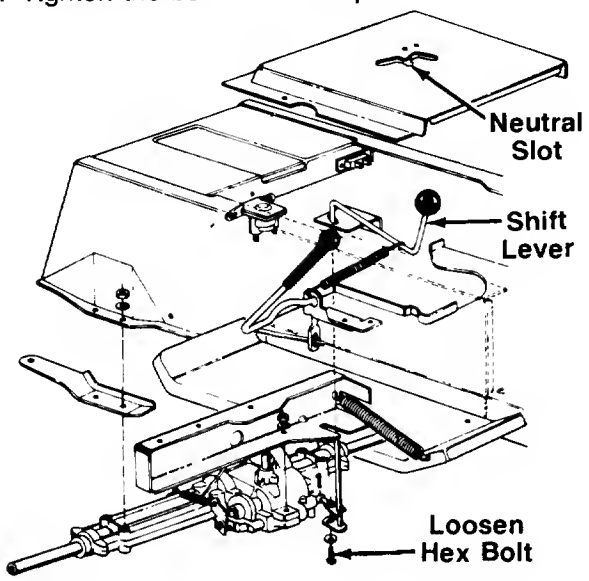


FIGURE 19.

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in, follow these steps.

1. Remove the hex nut and lock washer, and drop the tie rod end from the wheel bracket. See figure 20.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

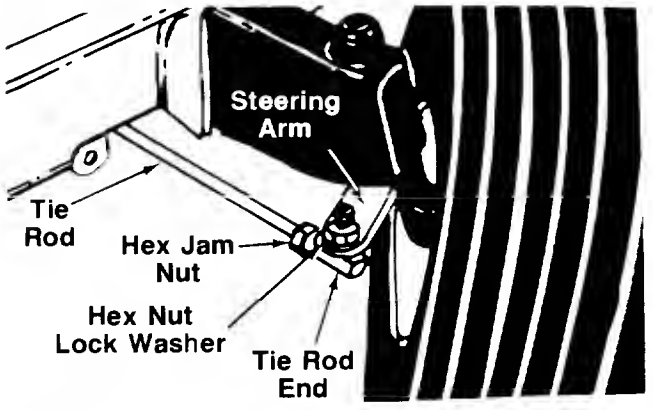


FIGURE 20.

Dimension "B" should be approximately 1/8" less than Dimension "A." See figure 21.

A.) To increase Dimension "B," screw tie rod into tie rod end.

B.) To decrease Dimension "B," unscrew tie rod from tie rod end.

C.) Reassemble tie rod. Check dimensions. Readjust if necessary.

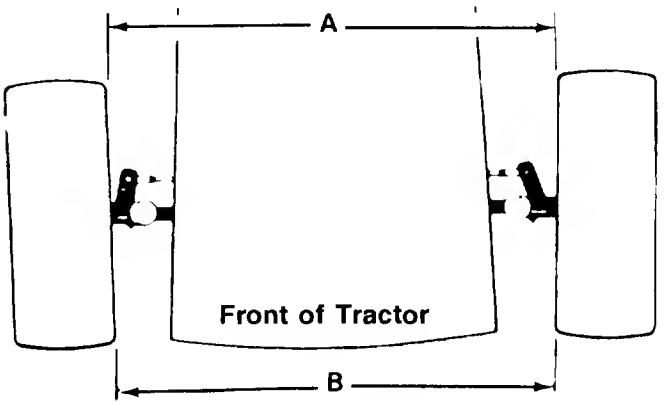


FIGURE 21. TOE-IN DIAGRAM

CARBURETOR ADJUSTMENT

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load. To adjust the carburetor, refer to the separate engine manual packed with your unit.

NOTE

A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor. Refer to the separate engine manual.

BRAKE ADJUSTMENT (See figure 22)

The brake is located by the right rear wheel inside the frame. During normal operation of this machine, the brake is subject to wear and will require periodic examination and adjustment.

WARNING

Do not have the engine running when you adjust the brake.

To adjust the brake, remove the cotter pin. Adjust the castle nut so the brake starts to engage when the brake lever is ¼" to 5/16" away from the axle housing.

NOTE

Figure 22 is shown with the unit tipped up on rear wheels for clarity only.

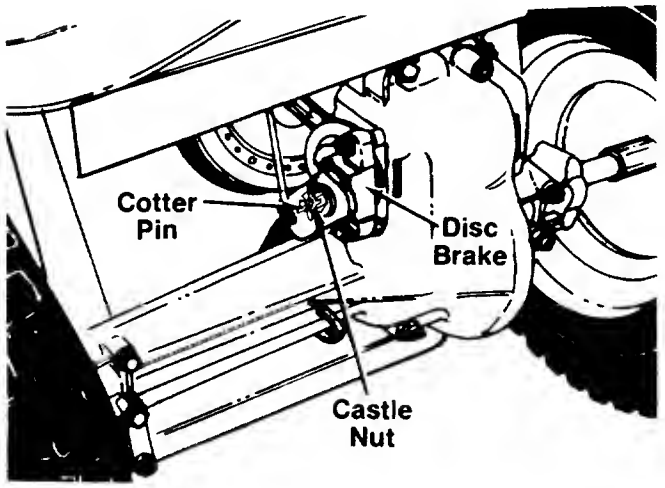


FIGURE 22.

LUBRICATION

WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn tractor.

STEERING GEARS

Lubricate teeth of steering gears with automotive multi-purpose grease after every 25 hours of operation or once a season. See figure 23.

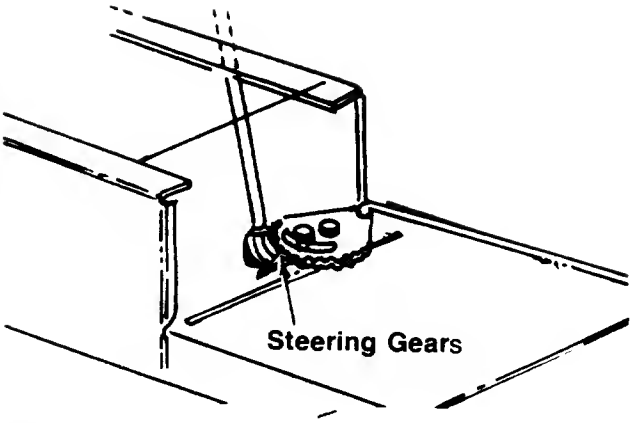


FIGURE 23.

STEERING SHAFT

Lubricate steering shaft at least once a season with light oil.

TRANSAXLE

The transaxle is lubricated and sealed at the factory and does not require checking. If disassembled for any reason, lubricate with 10 oz. of grease, part number 737-0148.

FRONT WHEELS

The front wheels are provided with grease fittings. Lubricate at least once a season with automotive multi-purpose grease.

PIVOT POINTS

Lubricate all pivot points with light oil at least once a season.

MAINTENANCE

WARNING

Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

TROUBLE SHOOTING

Refer to page 22 of this manual for trouble shooting information.

CRANKCASE OIL

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil level should be maintained as instructed in the separate engine manual.

After the first five hours of operating a new engine, drain the oil from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. Refer to the engine manual.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service the air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specification.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire and remove ignition key before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blades.

1. Remove the large bolt and lock washer which holds the blade and adapter to the blade spindle.
2. Remove the blade and adapter from the spindle. Be careful not to lose the key on the spindle.
3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position. Make certain key is in place on the crankshaft.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your engine authorized service dealer.

DRIVE BELT REMOVAL AND REPLACEMENT

WARNING

Disconnect the spark plug wire and ground it against the engine. Block the wheels of the unit.

NOTE

Figures 25 through 28 are shown with the unit tipped up for clarity. It is not necessary to tip the unit to remove the belts.

However, if tipping the unit is desired, remove the battery from the unit. To prevent gasoline leakage, drain the gasoline, or remove the fuel tank cap, place a thin piece of plastic over the neck of the fuel tank and screw on the cap. Be certain to remove the plastic when finished changing the belts. Block unit securely.

Rear Drive Belt

1. Remove the two truss head screws which secure the transmission cover. See figure 4.
2. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover. Refer to figure 5. Remove transmission cover.
3. Push the idler pulley toward the right side of the unit. Lift the belt over the idler pulley. See figure 24.
4. Remove the belt from the variable speed pulley.
5. Remove the two bolts which hold the shift lever bracket to the frame on the left side of the unit. Swing the bracket toward the right so the belt can be removed from the transmission pulley. See figure 24.
6. Replace belt, and reassemble in reverse order.

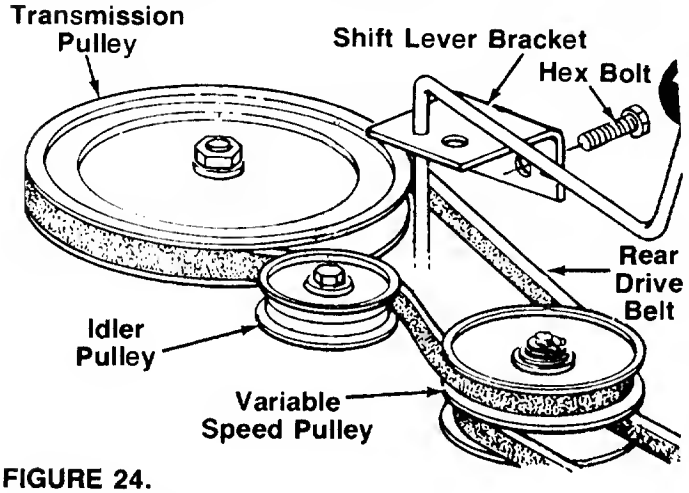


FIGURE 24.

Front Drive Belt

1. To remove the front drive belt, first remove the rear drive belt from the idler pulley and variable speed pulley.
2. Place the lift lever in the disengaged position.
3. Remove the three hex bolts (belt keepers) from the engine pulley belt guard. See figure 25.

NOTE

Make certain hex bolts are reassembled as shown in figure 25.

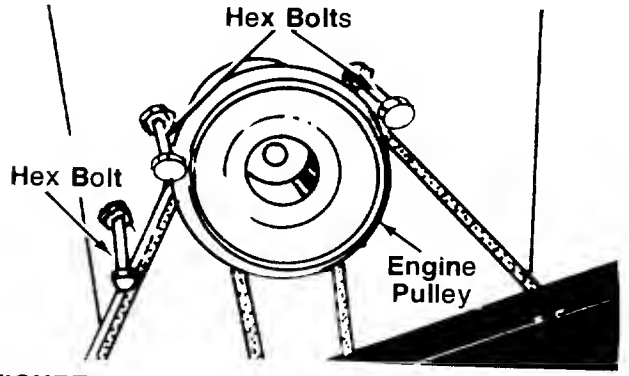


FIGURE 25.

4. Unhook the deck belt from the engine pulley.
5. Remove the two bolts, lock washers and nuts on each side of the frame which hold the engine pulley belt guard to the frame. See figure 26.

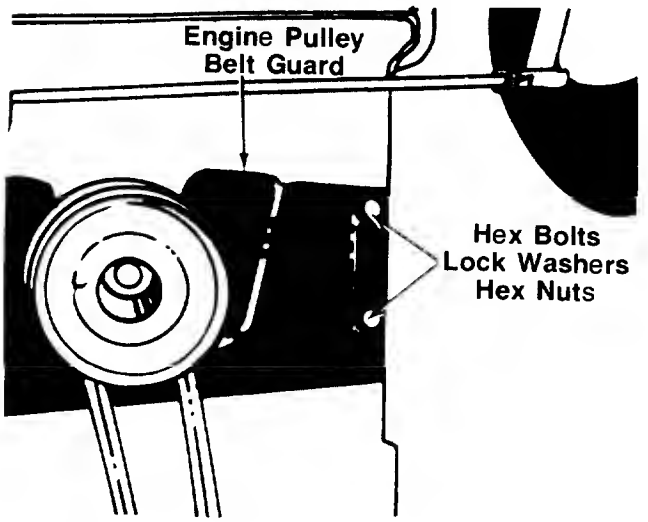


FIGURE 26.

6. Remove the engine pulley belt guard by slipping it back and to the right. See figure 27.

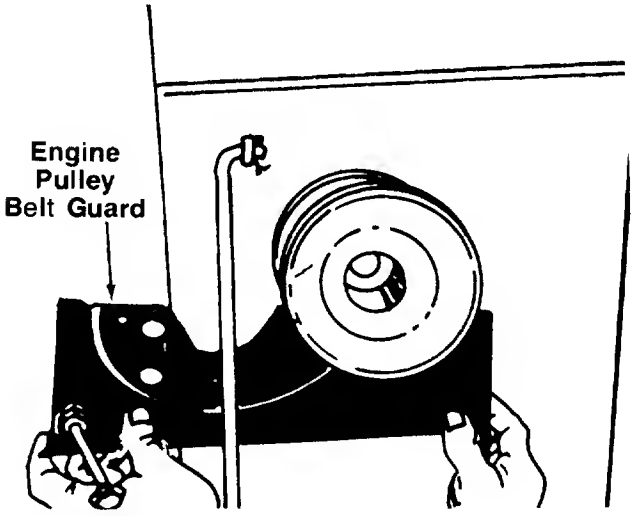


FIGURE 27.

7. Place the clutch-brake pedal in park position.
8. Push forward on the variable speed pulley, and lift the belt off the engine and remove the belt from the engine pulley.
9. Release the clutch-brake pedal. Using the pedal to move the variable speed pulley as necessary, lift the belt up and off the variable speed pulley.

NOTE

When reassembling, make certain belt is inside the pins. See figure 28.

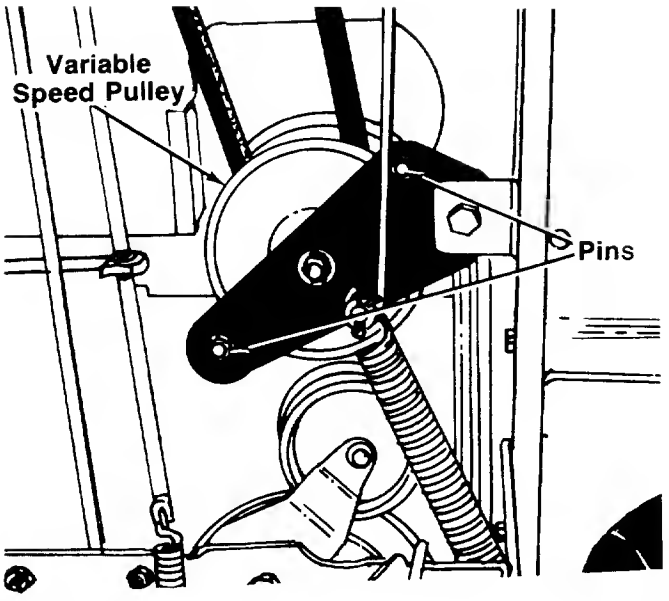


FIGURE 28.

10. Reassemble with a new belt, following instructions in reverse order.

BATTERY REMOVAL OR INSTALLATION

WARNING

When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.

WARNING

Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or a good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose holds downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

INSTALLATION OF TIRE TO RIM

WARNING

The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.

3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

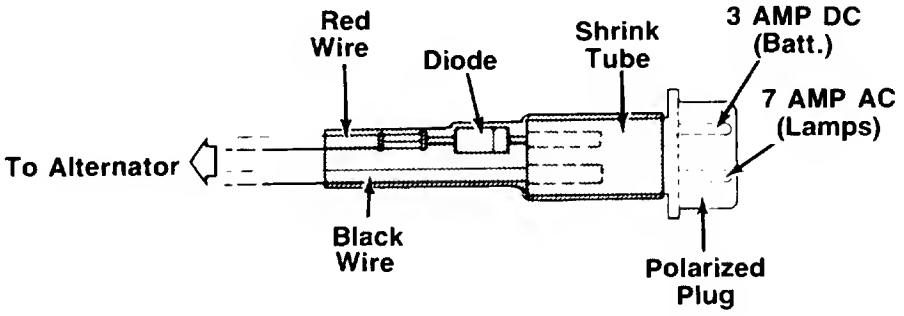
If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions on previous page.
5. Store unit in a clean, dry area.

NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

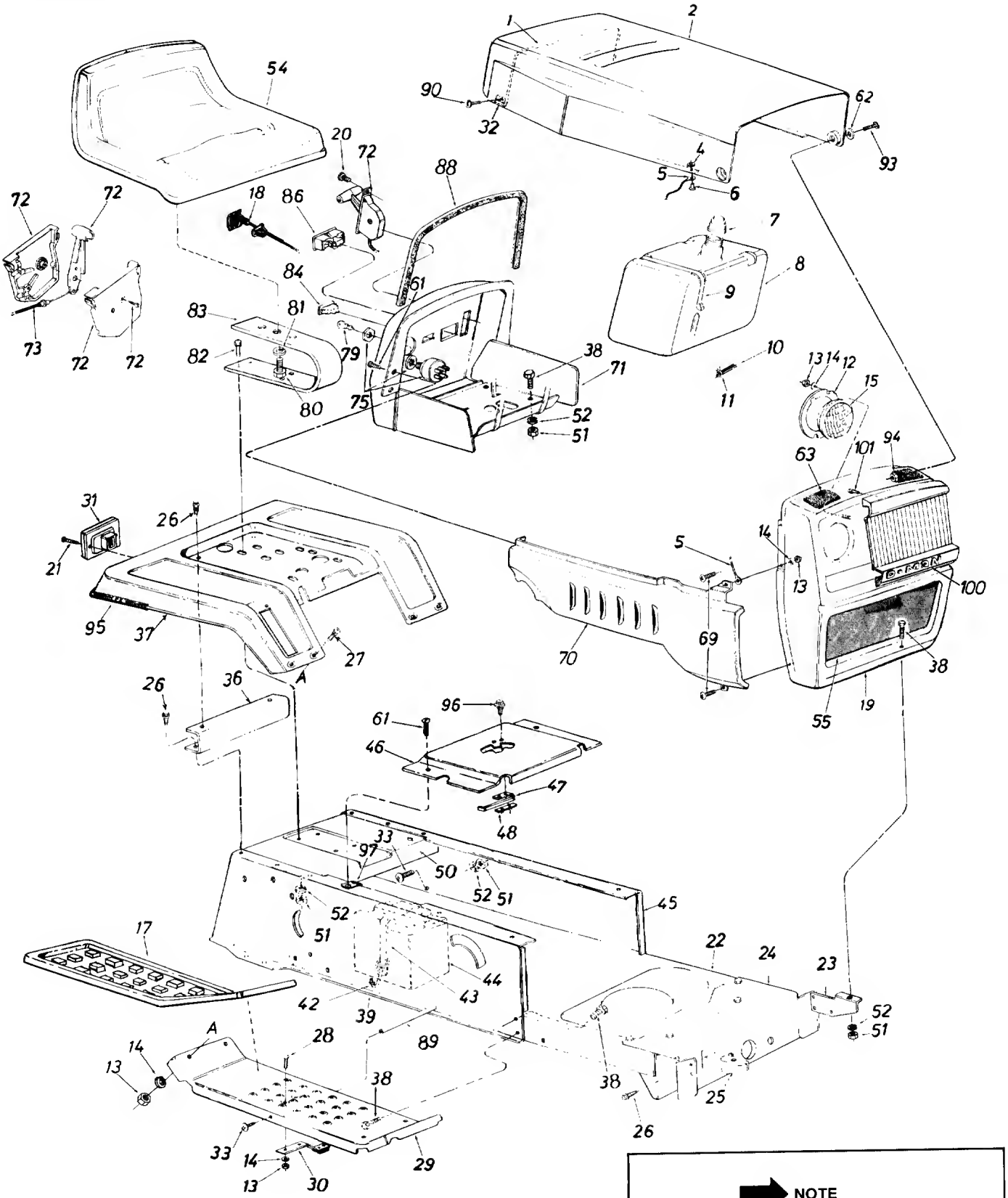
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative terminal, identified at the terminal post by (Neg, N or −), grounded. The positive terminal (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blown fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working. The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.  The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.
	Mechanical failure (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. **If the engine does not crank:** (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
Engine cranks but will not start	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke for starting.
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel line or in-line fuel filter plugged. Remove and clean fuel line. Replace filter if necessary.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	**Stop engine immediately.** Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	**Stop engine immediately.** Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips	Engine speed low Transmission selection Blades short or dull	Throttle must be set between 3/4 and full throttle. Use lower transmission speed. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).

13655



NOTE

Specifications subject to change without notice or obligation.

13655

PARTS LIST FOR MODEL 13655 LAWN TRACTOR

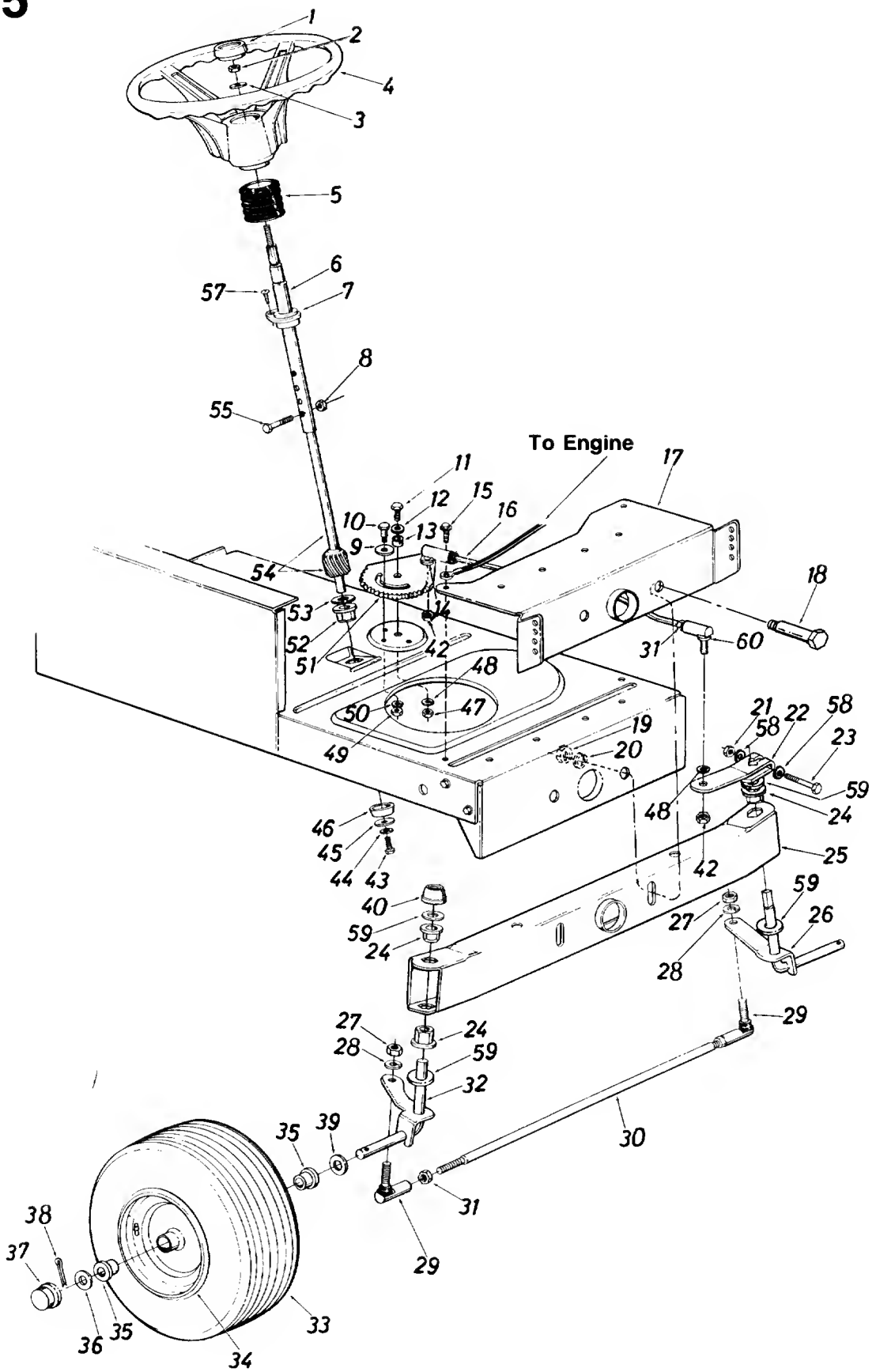
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	732-0559		Hood Spring	
2	16646	499	Hood	
4	736-0931		Fl-Wash. .203 I.D.	
5	723-0302		Hood Stop 7" Lg.	
6	728-0123		Pop Rivet	
7	723-0333		Fuel Cap Gauge	
8	751-0172		Fuel Tank	
9	726-0209		Tie Strap	
10	751-0173		Fuel Line	
11	726-0207		Hose Clamp	
12	09960		Headlight Retainer	
13	712-0287		Hex Nut ¼-20 Thd.*	
14	736-0329		L-Wash. ¼" I.D.*	
15	725-0222		Headlight	
17	731-0753		Foot Pad	
18	746-0615		Choke Control 29" Lg.	N
19	14779		Grille Ass'y.	
20	710-0779		Truss Mach. AB-Tap Scr. #10 x .50" Lg.	
21	710-0936		Truss AB-Tap Scr. #6 x .62" Lg.	
22	15930		Lower Frame	
23	16643		Grille Mount Brkt.—L.H.	N
24	14619		Front Pivot Brkt.	
25	16644		Grille Mount Brkt.—R.H.	N
26	710-0726		Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg.	
27	710-0167		Carriage Bolt ¼-20 x 2.0"*	
28	710-0134		Carriage Bolt ¼-20 x .62"*	
29	14604		Running Board (R.H. & L.H.)	
30	761-0168		Blade Brake Ass'y.	
31	725-1128		Taillight	
32	731-0895		Hood Spring Retainer	
33	710-0323		Truss Mach. Scr. 5/16-18 x .75" Lg.*	
36	15848		Fender Mount Brace	
37	17085	621	Fender	
38	710-0118		Hex Bolt 5/16-18 x .75" Lg.*	
39	14602		R.H. Side Frame	
42	747-0475		Battery Strap Hook	
43	731-0718		Battery Hold Down Strap	
44	725-0514		12-V Battery	
45	14603		L.H. Side Frame	
46	16433		Shift Cover	
47	725-0759		Reverse Safety Switch	
48	726-0222		Insulator Nut Plate	
50	14607		Hitch Plate	
51	712-0267		Hex Nut 5/16-18 Thd.*	
52	736-0119		L-Wash. 5/16" I.D.*	
54	757-0333		Seat Ass'y.	N
55	13730		Grille Insert	
61	710-0351		Truss Mach. Tap Scr. #10 x .50" Lg.	
62	736-0413		Washer .39" I.D. x .62" O.D.	
63	722-0157		Foam Strip 3/8 x 1-1/8 x 1½	
69	710-0255		Truss Hd. Scr. ¼-20 x .75"*	
70	16280		R.H.—Grille Side Panel	N
	16283		L.H.—Grille Side Panel	N
71	16285		Dash Panel Ass'y.	N
72	831-0823		Throttle Control Box Ass'y.	
73	746-0638		Throttle Control Wire	
75	725-0267		Ignition Switch	
79	725-0201		Ignition Key	
80	710-0865		Hex Bolt ½-13 x 1.0" Lg.	
81	736-0921		L-Wash. ½" I.D.*	
82	710-0376		Hex Bolt 5/16-18 x 1.0"*	
83	732-0458		Seat Spring 5.5" High	
84	725-0634		Light Switch	
86	725-0925		Ammeter	
88	731-0511		Molding Strip 27" Lg.	
89	738-0526		Running Board Rod	
90	710-0697		Self-Tap Scr. .5" Lg.	
92	712-0272		Hex Sems Nut #10-24 Thd.	
93	738-0724		Shld. Bolt .375 Dia. x .125	
94	712-0380		Hex L-Nut ¼-28 Thd.	
95	731-0511		Trim Strip—81"	
96	710-0227		Hex Wash. Hd. AB-Tap Scr. #8 x .50" Lg.	
97	726-0139		Speed Nut #10Z	
100	731-0501		Bezel	
101	710-0200		Self-Tap Scr. #8 x .5" Lg.	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

621—Brilliant Fire Mist

If color or finish is important when ordering parts, use the appropriate color code shown above [i.e. (part no.)-621 for Brilliant Fire Mist Finish].

13655



13655

PARTS LIST FOR MODEL 13655 LAWN TRACTOR

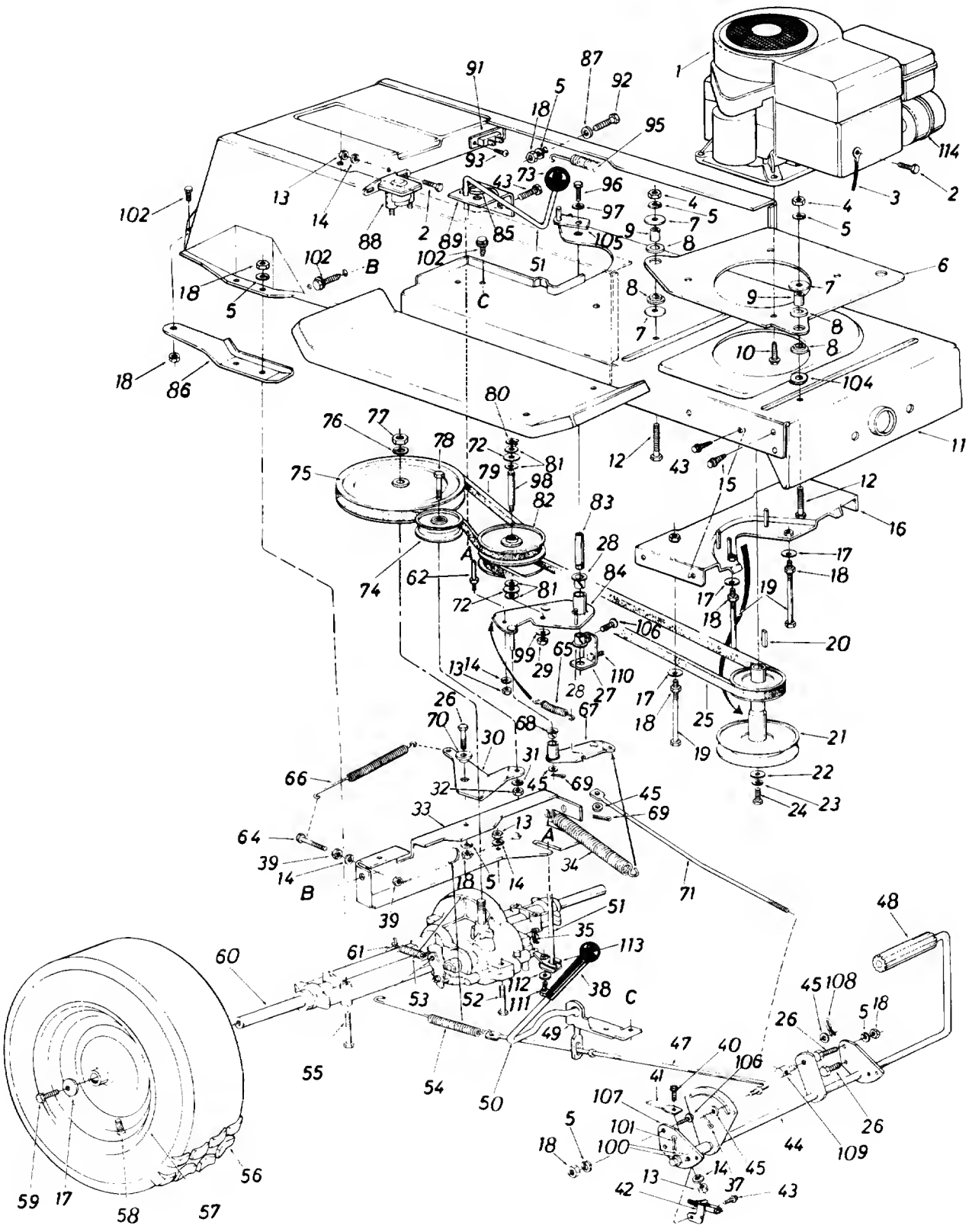
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap	
2	712-0237		Hex L-Nut 5/16-24 Thd.	
3	736-0242		Belleville Wash. .345" I.D.	
4	731-0806		Steering Wheel	
5	731-0559		Steering Bellow—4.5"	
6	16512		Steering Column Ass'y.	
7	741-0356		Flange Bearing .890 I.D. x 1.36 O.D.	
8	712-0324		Hex L-Nut ¼-20 Thd.	
9	736-0319		Fl-Wash. .438" I.D. x 1.37" O.D.	
10	738-0141		Shoulder Bolt .437" Dia. x .35 Lg. 5/16-18 Thd.	
11	710-0152		Hex Bolt 3/8-24 x 1.0" Lg. (Grade 5)	
12	736-0258		Fl-Wash. .38" I.D. x 1.0" O.D.	
13	750-0535		Spacer .380" I.D. x .625" O.D. x .227	
14	736-0169		L-Wash. .38" I.D.*	
15	710-0726		Hex Wash. Hd. Self-Tap Scr.	
16	711-0788		Steering Drag Link	N
17	14619		Front Pivot Brkt.	
18	738-0527		Shoulder Bolt .498" Dia. x 2.04 Lg. 3/8-16 Thd.	
19	712-0798		Hex Nut 3/8-16 Thd.*	
20	736-0169		L-Wash. 3/8" I.D.*	
21	712-0237		Hex Cent. L-Nut 5/16-24 Thd.	
22	16481		Steering Arm Front Axle	N
23	710-0772		Hex Bolt 5/16-24 x 2.00" Lg. (Grade 5)	
24	741-0225		Hex Flg. Brg. .634 I.D.	
25	14608		Pivot Bar Ass'y.	
26	16479		Front Axle Ass'y.—L.H.	
27	712-0241		Hex Nut 3/8-24 Thd.*	
28	736-0169		L-Wash. 3/8" I.D.*	
29	723-3018		Ball Joint 3/8-24 Thd.	
30	711-0613		Tie Rod	
31	712-0711		Hex Jam Nut 3/8-24 Thd.*	
32	14650		Front Axle Ass'y.—R.H.	
33	**		Wheel Ass'y. Comp.	
34	**		Front Wheel Rim Only	
35	741-0487		Bearing	N
36	736-0285		Fl-Wash. .635 I.D. x 1.59" O.D.	
37	731-0484		Front Wheel Hub Cap	
38	714-0470		Cotter Pin 1/8" Dia. x 1.25"*	
39	736-0187		Fl-Wash. .640" I.D. x 1.24" O.D.	
40	726-0214		Push Cap 5/8" Dia. Rod	
42	712-0241		Hex Nut 3/8-24 Thd.*	
43	710-0538		Hex L-Bolt 5/16-18 x .62"*	
44	736-0119		L-Wash. 5/16" I.D.*	
45	736-0231		Fl-Wash. .344" I.D. x 1.25" O.D.	
46	750-0532		Spacer (Plastic)	
47	712-0241		Hex Nut 3/8-24 Thd.*	
48	736-0169		L-Wash. 3/8" I.D.*	
49	712-0267		Hex Nut 5/16-18 Thd.*	
50	736-0119		L-Wash. 5/16" I.D.*	
51	717-0622		Steering Gear Segment	
52	741-0225		Hex Flg. Brg. .634 I.D.	
53	736-0187		Fl-Wash. (Hardened)	
54	738-0522		Steering Shaft Lower	
55	710-0958		Hex Bolt ¼-20 x 1.31" Lg.	
57	710-0837		Oval Hd. Cr.—Sunk Scr. #10 x 5/8" Lg.	
58	736-0271		Wave-Wash. .32" I.D. x .62" O.D.	
59	736-0187		Fl-Wash. (Hardened)	
60	723-3018		Drag Link Ball Joint 3/8-24 Thd.	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

**FRONT WHEEL CHART

Description	15 x 6.00
Wheel Assembly Comp.	734-0863
Tire Only	734-0864
Rim Only	734-0997
Bearing	741-0487
Air Valve	734-0255
Grease Fitting	737-0146

13655

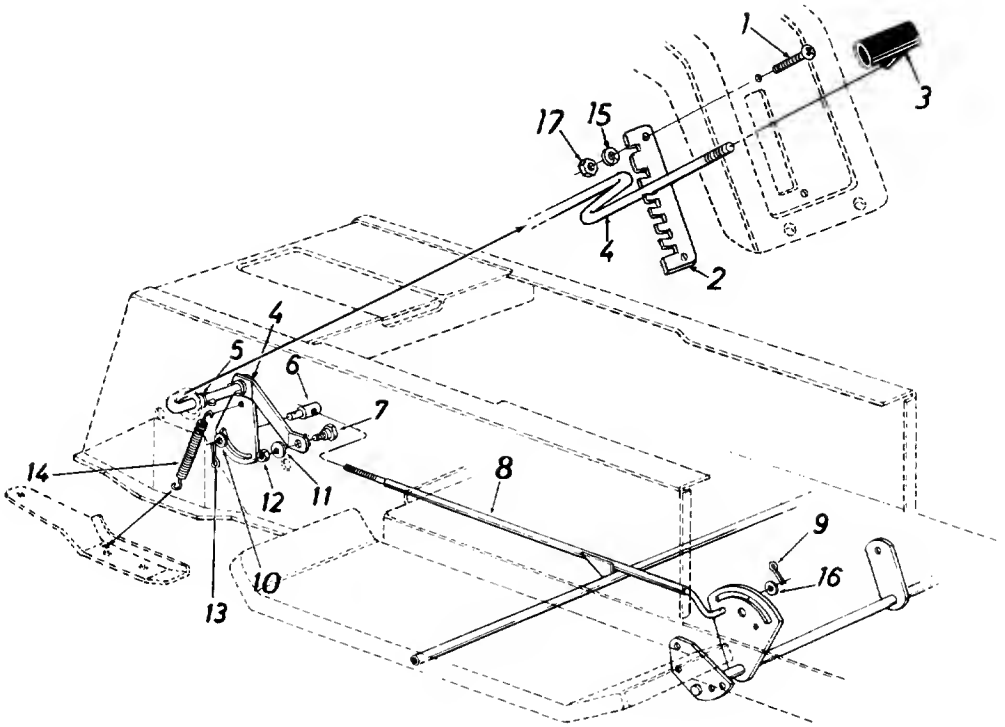


13655

PARTS LIST FOR MODEL 13655 LAWN TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	—		Engine	
2	710-0258		Hex Bolt ¼-20 x .62" Lg.*	
3	725-0122		Electric Ground Wire	
4	712-0123		Hex Nut 5/16-24 Thd.*	
5	736-0119		L-Wash. 5/16" I.D.*	
6	14791		Engine Mounting Plate	
7	736-0343		Fl-Wash. .320" I.D. x 1.25"	
8	722-0153		Engine Mounting Grommet	
9	750-0539		Spacer	
10	710-0502		Hex Bolt 3/8-16 x 1.25" Lg.	
11	15930		Lower Frame Ass'y.	
12	710-0158		Hex Bolt 5/16-24 x 1.25"*	
13	712-0287		Hex Nut ¼-20 Thd.*	
14	736-0329		L-Wash. ¼" I.D.*	
15	710-0781		Hex Wash. Hd. AB-Tap Scr. 5/16" x .75" Lg.	
16	15898		Belt Guard Brkt. Ass'y.	
17	736-0242		Bell-Wash. .345" I.D. x .88"	
18	712-0267		Hex Nut 5/16-18 Thd.*	
19	710-0833		Hex Bolt 5/16-18 x 5.25" Lg.	
20	714-0114		Sq. Key ¼" x ¼" x 2.00"	
21	756-0488		Engine Pulley	
22	736-0322		Fl-Wash. 7/16" I.D. x 1.25"	
23	736-0171		L-Wash. 7/16" I.D.*	
24	710-0757		Hex Bolt 7/16-20 x 1.50" Lg.	
25	754-0280		Variable Speed Belt	
27	16553		Bearing Shaft Bracket Ass'y.	
28	741-0295		Flanged Nyliner Brg. 5/8" I.D. x .88" Lg.	
29	712-0241		Hex Nut 3/8-24 Thd.*	
30	15891		Idler Bracket	
31	736-0169		L-Wash. 3/8" I.D.*	
32	712-0241		Hex Nut 3/8-24 Thd.*	
33	15945		Transaxle Support Brkt.	
34	732-0459		Ext. Spring .94" O.D. x 6.7	
35	714-0149		Inter. Cott-Pin	
37	714-0507		Cotter Pin 3/32" Dia. x .75"*	
38	720-0143		Grip—Black	
39	712-0138		Hex Nut ¼-28 Thd.	
40	710-0597		Hex Bolt ¼-20 x 1.00" Lg.*	
41	732-0435		Switch Actuator	
42	725-0577		Safety Switch	
43	710-0599		Hex Wash. Hd. S-Tap Scr. ¼-20 x .50" Lg.	
44	16235		Clutch & Brake Pedal Ass'y.	
45	736-0117		Fl-Wash.	
47	747-0519		Brake Rod 20.9" Lg.	
48	735-0196		Foot Pad	
49	15889		Brake Lever Bracket	
50	15888		Hill Holder Brake Handle	
51	16430		Shift Lever Ass'y.	
52	710-0559		Hex Bolt ¼-28 x 1.75" Lg.*	
53	732-0264		Ext. Spring .38" O.D. x 2.5"	
54	732-0413		Ext. Spring .59" O.D. x 7.08"	
55	710-0176		Hex Bolt 5/16-18 x 2.75"*	
56	734-0817		Wheel Ass'y. Comp.	
	734-0448		Tire Only	
57	734-0603		Wheel Rim Only	
58	734-0255		Air Valve (Service Only)	
59	710-0627		Hex Bolt 5/16-24 x .75" Lg.*	
60	717-1050		Transaxle Complete	
61	732-0454		Brake Return Spring Anchor	
62	711-0768		Belt Guard Pin ¼-20 Thd.	
64	710-0428		Hex Bolt ¼-28 x 1.25" Lg.*	
65	732-0387		Ext. Spring .50" Dia.	
66	732-0384		Ext. Spring .62" O.D. x 6.12"	
67	16554		Variable Speed Torque Brkt. Ass'y.	
68	741-0419		Flanged Bearing	
69	714-0507		Cotter Pin 3/32" Dia.*	
70	748-0234		Shoulder Spacer .500" Dia. x .27" Lg.	
71	747-0530		Speed Control Link	
72	741-0405		Truss Bearing .56 Dia. x 1.25"	
73	720-0165		Knob	
74	756-0437		Fl-Idler Pulley 3.25" x 1.0"	
75	756-0374		½" "V"-Pulley 8.0" O.D. x .501" I.D.	
76	736-0921		L-Wash. ½" I.D.*	
77	712-0922		Hex Jam Nut ½-20 Thd.*	
78	710-0539		Hex Bolt 3/8-24 x .75" Lg.*	
79	754-0281		Variable Speed Belt	
80	716-0114		Snap Ring .56" Dia.	
81	736-0355		Fl-Wash.	
82	717-0800		Variable Speed Pulley Ass'y. 5" O.D.	
83	711-0766		Bearing Shaft	
84	16354		Variable Speed Brkt. Ass'y.	
85	732-0525		Comp. Spring—Clip	
86	14770		Transaxle Support Brkt.—R.H.	
	14769		Transaxle Support Brkt.—L.H. (Not Shown)	
87	736-0231		Fl-Wash. .34 I.D. x 1.12 O.D.	
88	725-0771		Solenoid	
89	16429		Shift Lever Bracket	
91	725-0459		Circuit Breaker	
92	710-0959		Hex Bolt 5/16-18 x 1.50" Lg.	
93	710-0351		Truss Hd. Phil. Scr. #10 x ½" Lg.	
95	732-0307		Ext. Spring .99" O.D. x 11.0"	
96	710-0180		Hex Bolt 3/8-24 x .75" Lg.*	
97	736-0105		Bell-Wash. .38" I.D. x .88"	
98	738-0569		Shaft .56" Dia. x 3.875" Lg.	
99	736-0331		Bell-Wash. .39" I.D. x 1.12"	
100	736-0256		Fl-Wash.	
101	714-0111		Cotter Pin 3/32" Dia. x 1.0"*	
102	710-0604		Hex Wash. Hd. Scr. 5/16-18 x .62" Lg.	
104	736-0362		Fl-Wash. .32" I.D. x 1.25"	
105	16067		Belt Guard	
106	710-0323		Truss Mach. Scr. 5/16-18 x .75" Lg.*	
107	15835		Pedal Bracket	
108	714-0507		Cotter Pin 3/32" Dia. x .75"	
109	711-0198		Ferrule	
110	710-0971		Truss Phillips Hd. Scr. 5/16-18 x 1.0" Lg.	
111	710-0195		Hex Bolt ¼-28 x .50" Lg.	
112	736-0270		Bell-Wash. .265" I.D. x .75"	
113	16437		Shift Lever Link Ass'y.	
114	751-0302		Muffler	
—	712-0250		Conduit L-Nut 1"	

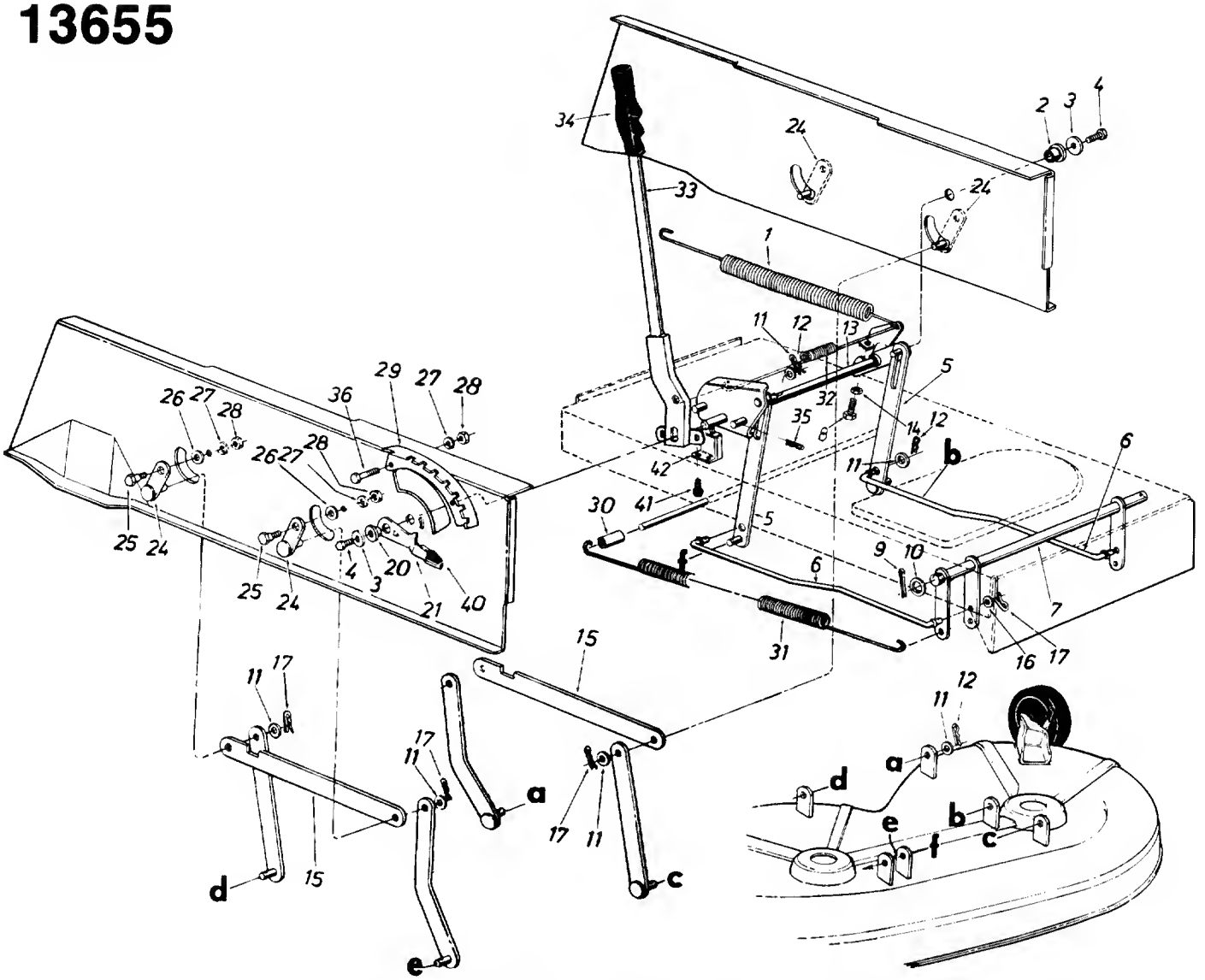
13655



PARTS LIST FOR MODEL 13655 LAWN TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0946		Truss Mach. Scr. ¼-20 x .62″ Lg.		9	714-0507		Cotter Pin 3/32″ Dia. x .75″ Lg.*	
2	17080		Speed Selector Plate		10	736-0140		Fl-Wash. .385″ I.D. x .62″ O.D.	
3	720-0209		Gear Shift Knob		11	736-0119		L-Wash. 5/16″ I.D.*	
4	17088		Speed Selector Cam Ass'y.		12	712-0267		Hex Nut 5/16-18 Thd.*	
5	736-0192		Flat Washer .53″ I.D. x .93″ O.D.		13	714-0507		Cotter Pin 3/32″ Dia. x .75″ Lg.*	
6	711-0198		Ferrule 3/8-24 x .37″ Dia.		14	732-0303		Spring .38″ O.D. x 3.18″ Lg.	
7	738-0155		Shoulder Bolt .435″ Dia. x .160		15	736-0329		L-Wash. ¼″ I.D.*	
8	16355		Speed Control Rod Ass'y.		16	736-0226		Fl-Wash. .469″ I.D. x .88″ O.D.	
					17	712-0287		Hex Nut ¼-20 Thd.*	

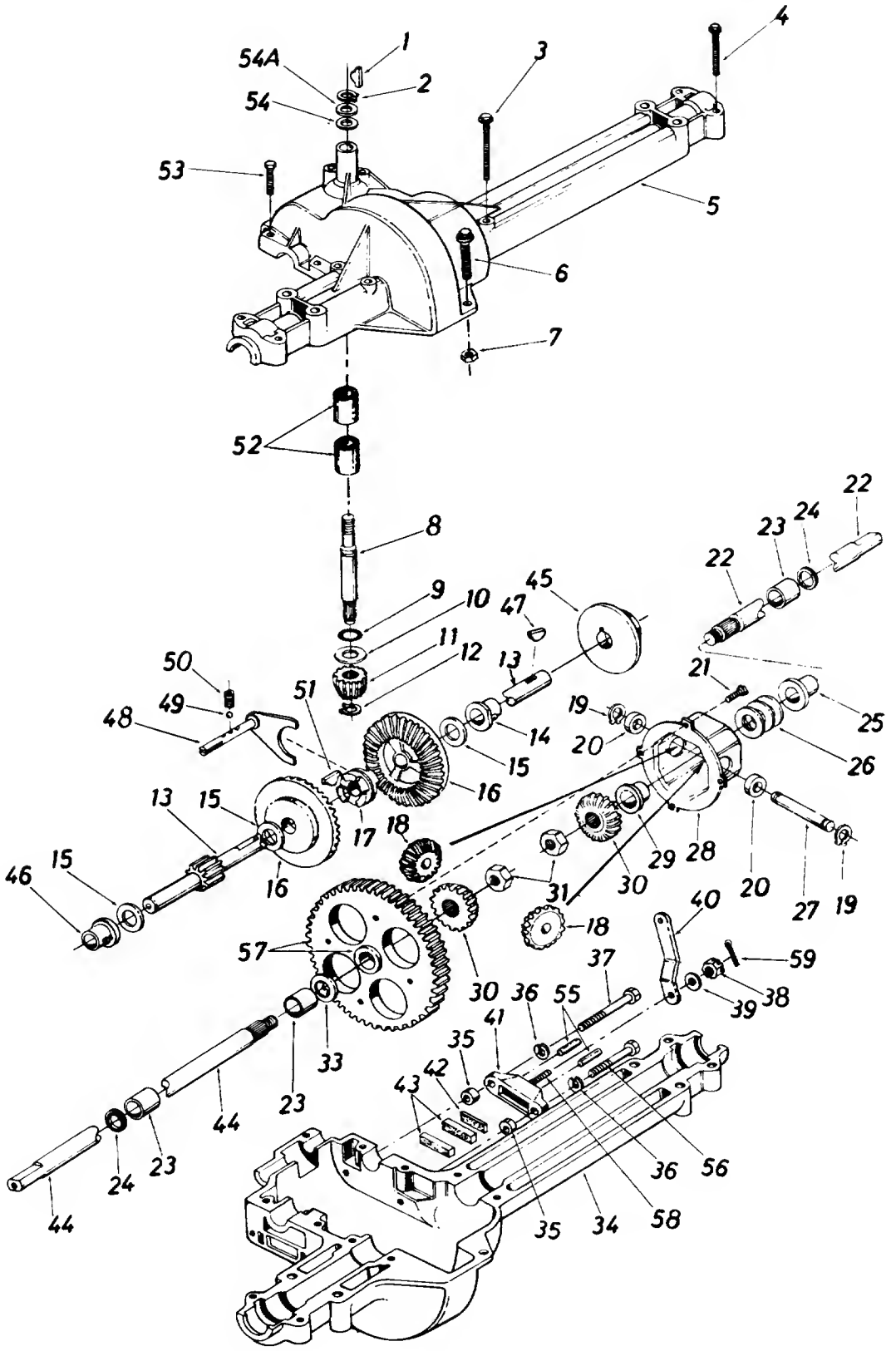
13655



PARTS LIST FOR MODEL 13655 LAWN TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	732-0307		Extension Spring .99" O.D. x 11.00" Lg.	
2	741-0313		Flange Bearing .634" I.D.	
3	736-0231		Fl-Wash. .344" I.D. x 1.125"	
4	710-0604		Hex Wash. Hd. 5/16-18 x .62" Lg.	
5	14802		Link Deck Lift Ass'y.	
6	711-0790		Stabilizer Rod	
7	16234		Stabilizer Shaft Ass'y.	
9	714-0470		Cotter Pin 1/8" Dia. x 1¼" *	
10	736-0156		Fl-Wash. .635" I.D. x 1.12"	
11	736-0160		Fl-Wash. .531" I.D. x .940"	
12	714-0111		Inter. Cotter Pin	
13	16463		Lift Shaft Ass'y.	
15	09735		Connecting Rod	
16	736-0300		Fl-Wash. .40" I.D. x .88"	
17	714-0104		Inter. Cotter Pin—3/8" Rod	
20	748-0176		Flange Brg. .630" I.D.	
21	732-0412		Deck Lift—Down Stop	
24	09721		Pivot Link Ass'y.	
25	738-0140		Shld. Bolt .437" Dia. x .180" Lg. (5/16-18)	
26	736-0264		Fl-Wash. .344" I.D. x .62"	
27	736-0119		L-Wash. 5/16" I.D.*	
28	712-0267		Hex Nut 5/16-18 Thd.*	
29	16462		Index Brkt.	
30	711-0425		Spacer .523" I.D. x .640" O.D. x 1.95" Lg.	
31	732-0530		Ext. Spring .99" O.D. x 13.25" Lg.	
32	732-0498		Ext. Spring .56" O.D. x 32 Coils	
33	16465		Lift Handle Ass'y.	
34	720-0157		Grip (Lift Handle)	
35	714-0145		Intern. Cotter Pin ½" Dia.	
36	710-0118		Hex Bolt 5/16-18 x .75" *	
40	08540		Knob	
41	710-0351		Hex AB-Tap Scr. #10 x .50"	
42	725-0803		Safety Switch	

13655



SINGLE SPEED TRANSAXLE—R.H.
MODEL 717-1050

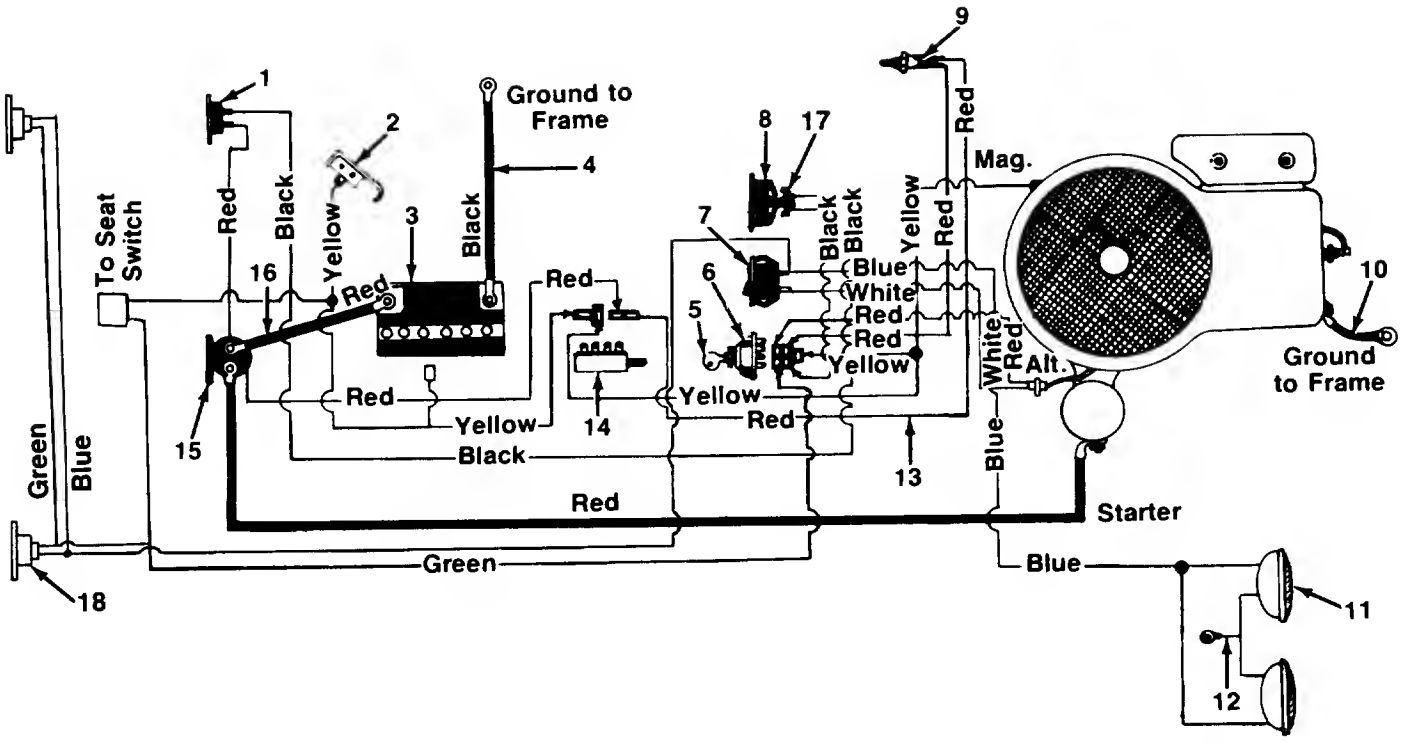
13655

PARTS LIST FOR
SINGLE SPEED TRANSAXLE RIGHT HAND 717-1050

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	714-0129	#4 Hi-Pro Key 3/32 x 5/8" Dia.	
2	716-0115	Snap Ring .625" Shaft	
3	710-0854	Hex Bolt ¼-20 x 1.75" Lg.*	
4	710-0809	Hex Bolt ¼-20 x 1.25" Lg.*	
5	717-0764	Upper Housing	
6	710-0642	Hex Fl-Bolt ¼-20 x .75" Lg.	
7	712-0287	Hex Nut ¼-20 Thd.*	
8	717-0634	Input Shaft	
9	721-0178	Square Seal 5/8" I.D.	
10	736-0335	Thrust Washer 5/8" I.D. x 1.25" O.D.	
11	717-0633	Pinion Input 14T	
12	716-0108	Retaining Ring 7/16" Ext.	
13	717-0758	Drive Shaft—R.H.	
14	741-0336	Flange Brg. 5/8" I.D. x ¾" Lg.*	
15	**	Fl-Wash. (See Below)	
16	717-0757	Bevel Gear 42T	
17	717-0667	Clutch Collar	
18	717-1020	Miter Gear 15T	
19	716-0142	Snap Ring	
20	717-0690	Thrust Bearing ½" I.D. x 1.0" O.D.	
21	710-0862	Pan Head Scr. ¼-20 x .50" Lg. w/Patch	
22	717-1012	Axle R.H.	
23	741-0340	Sleeve Bearing ¾" I.D. x 1.0" Lg.	
24	721-0179	Oil Seal ¾" I.D.	
25	741-0339	Flange Bearing ¾" I.D. x 15/16" Lg.	
26	736-0188	Fl-Wash. .760" I.D. x 1.49" O.D.	
27	717-0673	Cross Shaft	
28	717-0777	Differential Housing Ass'y.	
29	—	Comes with Ref. 28	
30	717-1019	Miter Gear	
31	712-0200	Hex Ins. L-Nut ½-20 Thd.	
33	736-0351	Fl-Wash. .75" I.D. x 1.5" O.D.	
34	717-0761	Lower Housing	
35	750-0555	Spacer .53" O.D. x 3/8" Lg.	
36	736-0329	L-Wash. ¼" I.D.*	
37	710-0886	Hex Bolt ¼-20 x 1.50" Lg. (Grade 5)	
38	712-0335	Castle Nut 5/16-24 Thd.*	
39	736-0371	Fl-Wash. .34" I.D. x .875" O.D.	
40	717-0700	Actuating Arm—R.H.	
41	717-0679	Brake Yoke	
42	717-0682	Puck Plate	
43	717-0678	Brake Puck	
44	717-1011	Axle L.H.	
45	717-0677	Brake Disc	
46	741-0337	Flange Bearing 5/8" I.D. x 15/16" Lg.	
47	714-0161	Woodruff Key 3/16 x 5/8 HT	
48	717-0754	Shift Fork Ass'y.	
49	741-0862	Ball Detent .250" Dia.	
50	732-0863	Spring Detent	
51	714-0169	#9 Hi-Pro Key 3/16" x ¾" Dia. HT	
52	741-0335	Needle Brg. 5/8" I.D. x ½" Lg.	
53	710-0855	Hex Bolt ¼-20 x 1.00" Lg.	
54	736-0336	Fl-Wash. 5/8" I.D. x .030	
54A	736-0337	Fl-Wash. 5/8" I.D. x .040	
54B	736-0349	Fl-Wash. 5/8" I.D. x .020	
55	741-0343	Actuating Pin 5/16" Dia.	
56	710-0886	Hex Bolt ¼-20 x 1.50" Lg. (Grade 5)	
57	717-1059	Differential Gear 72T Ass'y. w/Bearing	
58	717-0796	Sq. Hd. Bolt 5/16-24 Thd.	
59	1544-013	Cotter Pin 3/32" Dia. x .50" Lg.	
—	737-0148	Grease—Shell (10 oz.)	

**Ref. No. 15 736-0349 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .020 Thk.
736-0336 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .030 Thk.
736-0337 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .040 Thk.

13655



PARTS LIST FOR ELECTRICAL SYSTEM

REF. NO.	PART NO.	DESCRIPTION	NEW PART	REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-0459	Circuit Breaker		10	725-0976	Ground Wire 7.25" Lg. (Black—Engine)	
2	725-0759	Spring Switch (Reverse Safety)		11	725-0222	Headlight	
3	725-0514	12V-Battery		12	725-0916	Ground Wire (Headlight)	
4	725-0975	Grounding Wire 9.0" Lg. (Black—Negative)		13	725-1188	Wire Harness	
5	725-0201	Ignition Key		14	725-0803	Safety Switch (P.T.O.)	
6	725-0267	Ignition Switch		15	725-0771	Solenoid	
7	725-0634	Headlight Switch		16	725-0926	Electric Wire w/Boot (Red—Positive)	
8	725-0925	Ammeter		17	722-0135	Foam Strip	
9	725-0577	Safety Switch (Clutch)		18	725-1128	Taillight	

YARD-MAN PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all YARD-MAN manufactured power equipment are available through local Authorized Service Dealers. Check the yellow pages. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required. DO NOT SEND PARTS ORDERS TO FACTORY. Service Distributors listed below, identified by state abbreviation, may be contacted for service assistance.

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engine—Gasoline,** Briggs & Stratton or Tecumseh Lauson.

AZ, CA, NV, NC, SC, CT, RI, MA, ME, NH, VT, N-GA, MS, S-FL, UP-NY, CO, MI

A. E. I. CORPORATION
2641 DuBridge Ave.
P.O. Box 16097
Irvine, CA 92713
(714) 474-3070

ALLISON-ERWIN CO.
2920 N. Tryon Street
P.O. Box 32308
Charlotte, NC 28232
(704) 334-8621

COBBLE MOUNTAIN SUPPLY
615 West Johnson Ave.
Cheshire, CT 06410
(203) 272-1866

M. L. COFFIN CO.
725 Broadway
Bangor, ME 04401
(207) 942-8289

DEALER SUPPLY CO.
P.O. Box 188
323 S. Main St.
Swainsboro, GA 30401
(912) 237-7000

DICKERSON DISTRIBUTORS, INC.
P.O. Drawer 231
127 N. W. Depot
Durant, MS 39063
(601) 653-3004

FLORIDA TURF & GARDEN EQUIP.
7275 NW 64th St.
Miami, FL 33166
(305) 592-3846

GAMBLE DISTRIBUTING INC.
P.O. Box 389
West End Ave.
Carthage, NY 13619
(315) 493-2270

GENERATOR CITY
1845 N Federal Blvd.
Denver, CO 80204
(303) 455-2800

IDEAL MOWER SALES

NW-OH, C-FL, WI, N-MI, MN, NJ, NY, PA, MO, E-KS, N-FL, S-GA, UT MT, NV S-ID, OH, IN, W-WV, KY TN, S-IL, ND

811 Woodward Heights
Ferndale, MI 48220
(313) 541-4660

MANLEY TRACTOR SALES
5909 E. Broadway
Tampa, FL 33619
(813) 626-5900

MERCO CORP.
4080 N. Pt. Washington Rd.
P.O. Box 12145
Milwaukee, WI 53212
(414) 961-3200

MERCO CORP. MINN.
7428 Washington Ave.
Eden Prairie, MN 55344
(612) 941-3550

NIEMEYER CORP.
1135 Phoenixville Pike
P.O. Box 1477
West Chester, PA 19380-0037
(215) 431-7200

OZARK EQUIPMENT CO.
Hwy. 63 & Black Street
Rolla, MO 65401
(314) 364-2180

POWER EQUIP. DIST. INC.
565 S. Edgewood Ave.
Jacksonville, FL 32205
(904) 387-1512

POWERED PRODUCTS
1661 N. Beck St.
Salt Lake City, UT 84116
(801) 359-9767

RAHRIG SALES INC.
108-110 W. Lima St.
Forest, OH 45843
(419) 273-2556

RASCHE CYCLE CO.
713 Kentucky Ave.
Paducah, KY 42001
(502) 443-5698

ROTT-KELLER CO.
65-28th St. S.
Fargo, ND 58107
(701) 235-0563

NM, DE, MD, VA, WA DC, SD, TX, OK, AR, LA, IL, OR, AK, WA, W-ID, WA, CANADA, EXPORT

HUGO SCHULTE & CO.
6666 Fourth St.
Albuquerque, NM 87107
(505) 345-2633

SMITHCO DISTRIBUTING CO.
10302A Southard Dr.
Beltsville, MD 20705
(301) 937-6410

STERN OIL CO. INC.
394 South Main
P.O. Box 218
Freeman, SD 57029
(605) 925-7999

TIMBERLAND SAW CO.
Hwy. 31 South
P.O. Box 1227
Marshall, TX 75671
(214) 935-5251

TRYSON DISTRIBUTING COMPANY
670 Bonnie Lane
Elk Grove Village, IL 60007
(312) 593-3010

R. M. WADE & CO.
10025 S. W. Allen Blvd.
Beaverton, OR 97005
(503) 641-1865

R. M. WADE & CO.
5808 S. 196th St.
Kent, WA 98032
(206) 872-9233

R. M. WADE & CO.
E. 10011 Montgomery #18
Spokane, WA 99206
(509) 922-6100

MTD PRODUCTS CANADA
97 Kent Ave.
Kitchener, Ontario
Canada, N2G 4J1
(519) 579-5500

DRAKE AMERICA CORP.
#2 Gannett Drive
White Plains, NY 10604
(914) 697-9800

WARRANTY PARTS AND SERVICE POLICY (1086)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number, Serial Number and/or Data Code** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date** of failure—Date Repaired.
4. **Nature** of failure—Correction.